

								RUC	OM AIR BALA	NCE SC	HEDUL	<u>.E</u>							T		
	AID HAARDIING	TERMINA				SUPF	PLY				RETUF	RN OR EXHA	UST		ROOM AIR FLOW	DOOM AID	NE		1	NET	
OOM NO ROOM NAME	AIR HANDLING UNIT NO	TERMINAL UNIT	INDIVIDUAL ROOM TEMP CONTROL	ROOM AI		# OF AIR DEVICES	AIR DEVICE MARK	SUPPLY FAN	RETURN OR EXHAUST (R/E)			# OF AIR DEVICES	AIR DEVICE MARK	RETURN OR EXHAUST FAN		ROOM AIR BALANCE	INFILTR			TRATION	REMARKS
1D-1 CORRIDOR	AHU-1	SAV-1-20	N	CFM 620	L/S [290]	2	SD-24	SF-1	R	1020	L/S [480]	2	RG-24	RF-1	CV VAV	0	CFM 400	[L/s] [190]	CFM 0	[L/s]	
1D01 RESIDENT BEDROOM	AHU-1	SAV-1-15	Y	290	[140]	1	SD-23	SF-1	R	215	[100]	1	RG-23	RF-1	X	0	0	[]	75	[35]	
1D01A RESIDENT BATHROOM	AHU-1	SAV-1-15	N	N/A	N/A	N/A	N/A	SF-1	E	75	[35]	1	EG-22	EF-2	х	-	75	[35]	0	[]	
1D02 RESIDENT BEDROOM	AHU-1	SAV-1-16	Y	290	[140]	1	SD-23	SF-1	R	215	[100]	1	RG-23	RF-1	х	0	0	[]	75	[35]	
1D02A RESIDENT BATHROOM		SAV-1-16	N	N/A	N/A	N/A	N/A	SF-1	E	75	[35]	1	EG-22	EF-2	Х	-	75	[35]	0	[]	
DO3 & 3A DINING AREA / KITCHEI 1D04 RESIDENT BEDROOM	AHU-1	SAV-1-17 SAV-1-18	Y	910 290	[430]	1	SD-53 & 54 SD-23	SF-1 SF-1	R R	910	[430]	1	RG-23 RG-23	RF-1 RF-1	X	0	0	[] 	75	[35]	
1D04A RESIDENT BATHROOM		SAV-1-18	N	N/A	N/A	N/A	N/A	SF-1	E	75	[35]	1	EG-22	EF-2	x	-	75	[35]	0	[]	
1D05 RESIDENT BEDROOM	AHU-1	SAV-1-19	Y	290	[140]	1	SD-23	SF-1	R	215	[100]	1	RG-23	RF-1	х	0	0	[]	75	[35]	
1D05A RESIDENT BATHROOM	AHU-1	SAV-1-19	N	N/A	N/A	N/A	N/A	SF-1	E	75	[35]	1	EG-22	EF-2	х	-	75	[35]	0	[]	
1D10 MEDICATION ROOM	AHU-1	SAV-1-21	N	25	[12]	1	SD-21	SF-1	N/A	N/A	N/A	N/A	N/A	RF-1	х	+	0	[]	25	[12]	
1D11 CORRIDOR CLEAN LINEN	AHU-1	SAV-1-21	Y	100	[47]	1	SD-21	SF-1	N/A	N/A	N/A	N/A	N/A	RF-1	X	+	0	[]	100	[47]	
1D11A STORAGE 1D11B UTILITY ROOM, SOILED	AHU-1	SAV-1-21 SAV-1-21	N N	75	[35]	1 N/A	SD-21 N/A	SF-1 SF-1	E E	75 75	[35]	N/A 1	N/A EG-21	RF-1 EF-2	X	+	75	[35]	75	[35]	
1D11C TOILET, STAFF	AHU-1	SAV-1-21	N	N/A	N/A	N/A	N/A	SF-1	E	75	[35]	1	EG-22	EF-2	X	-	75	[35]	0	[]	
1D11D HOUSEKEEPING	AHU-1	SAV-1-21	N	N/A	N/A	N/A	N/A	SF-1	E	25	[12]	1	EG-22	EF-2	x	-	25	[12]	0	[]	
1D12 TOILET, VISITOR	AHU-1	SAV-1-21	N	N/A	N/A	N/A	N/A	SF-1	E	75	[35]	1	EG-22	EF-2	х	-	75	[35]	0	[]	
1D13 STORAGE	AHU-1	SAV-1-20	N	25	[12]	1	SD-21	SF-1	E	75	[35]	N/A	N/A	EF-2	х	+	0	[]	25	[12]	
1D15 NURSES' BREAK ROOM NURSES	AHU-1	SAV-1-22	Y	315	[150]	1	SD-23	SF-1	R	315	[150]	1	RG-22	RF-1	Х	0	0	[]	0	[]	
WORKSTATION	AHU-1	SAV-1-20	Y	75	[35]	1	SD-23	SF-1	R	0	[]	N/A	N/A	RF-1	Х	0	0	[]	75	[35]	
1D-3 FOYER 1D16 LIVING ROOM	AHU-2	SAV-1-22 SAV-1-23	Y	350 1110	[170]	 6	SD-24 (4) LS-11	SF-2 SF-1	N/A R	1110	[520]	N/A 1	N/A RR-513	RF-1 RF-1	X	0	0	[] 	350	[170]	
1D17 RESIDENT BEDROOM	AHU-1	SAV-1-15	Y	290	[140]	1	(2) SD-54 SD-23	SF-1	R	215	[100]	1	RG-23	RF-1	X	0	0	[]	75	[35]	
1D17 RESIDENT BATHROOM	AHU-1	SAV-1-15	N	N/A	N/A	N/A	N/A	SF-1	E	75	[35]	1	EG-22	EF-2	Х	-	75	[35]	0	[]	
1D18 RESIDENT BEDROOM	AHU-1	SAV-1-16	Y	290	[140]	1	SD-23	SF-1	R	215	[100]	1	RG-23	RF-1	Х	0	0	[]	75	[35]	
1D18 RESIDENT BATHROOM	AHU-1	SAV-1-16	N	N/A	N/A	N/A	N/A	SF-1	E	75	[35]	1	EG-22	EF-2	х	-	75	[35]	0	[]	
1E-1 CORRIDOR	AHU-1	SAV-1-6	Y	440	[210]	2	SD-12	SF-1	R	655	[310]	1	RG-22	RF-1	Х	0	0	[]	150	[71]	
1E01 RESIDENT BEDROOM	AHU-1	SAV-1-1	Y	400	[190]	1	SD-24	SF-1	R	325	[150]	1	RG-24	RF-1	Х	0	0	[]	75	[35]	
1E01A RESIDENT BATHROOM 1E02 RESIDENT BEDROOM	AHU-1	SAV-1-1 SAV-1-2	N	N/A 290	N/A [140]	N/A 1	N/A SD-23	SF-1	E R	75 215	[35]	1	EG-22 RG-23	EF-1 RF-1	X	-	75	[35]	75	[]	
1E02A RESIDENT BATHROOM		SAV-1-2	N	N/A	N/A	' N/A	N/A	SF-1	E	75	[35]	1	EG-22	EF-1	X	-	75	[35]	0	[]	
1E03 LIVING ROOM	AHU-1	SAV-1-3	Y	940	[440]	6	(4) LS-11 (2) SD-54	SF-1	R	940	[440]	1	RR-513	RF-1	X	0	0	[]	0	[]	
1E-3 FOYER	AHU-2	SAV-1-4	N	300	[140]	2	SD-24	SF-2	N/A	0	[]	N/A	N/A	RF-1	Х	1	0	[]	300	[140]	
1E04 NURSES' BREAK ROOM	1 AHU-1	SAV-1-4	Y	245	[120]	1	SD-23	SF-1	R	245	[120]	1	RG-22	RF-1	х	0	0	[]	0	[]	
1E05 NURSES WORKSTATION	AHU-1	SAV-1-6	Y	75	[35]	1	SD-23	SF-1	R	0	[]	N/A	N/A	RF-1	Х	0	0	[]	75	[35]	
1E06 STORAGE	AHU-1	SAV-1-6	N	25	[12]	1	SD-21	SF-1	E	75	[35]	N/A	N/A	EF-2	Х	+	0	[]	25	[12]	
1E07 TOILET, VISITOR 1E08 CORRIDOR	AHU-1	SAV-1-6 SAV-1-5	N	N/A 100	N/A [47]	N/A 	N/A SD-21	SF-1 SF-1	E N/A	75 N/A	[35]	1 N/A	EG-22 N/A	EF-2 RF-1	X	-	75	[35]	0	[]	
1E08A HOUSEKEEPING	AHU-1	SAV-1-5	N N	N/A	N/A	N/A	N/A	SF-1	E E	25	N/A [12]	1	EG-22	EF-2	X	-	25	[12]	100	[47]	
1E08B TOILET, STAFF	AHU-1	SAV-1-5	N	N/A	N/A	N/A	N/A	SF-1	E	75	[35]	1	EG-22	EF-2	Х	-	75	[35]	0	[]	
1E08C UTILITY ROOM, SOILED	AHU-1	SAV-1-5	N	0	[]	N/A	N/A	SF-1	E	75	[35]	1	EG-21	EF-2	х	-	75	[35]	0	[]	
1E08D CLEAN LINEN STORAGE	AHU-1	SAV-1-5	N	75	[35]	1	SD-21	SF-1	E	75	[35]	N/A	N/A	RF-1	Х	+	0	[]	75	[35]	
1E09 MEDICATION ROOM	AHU-1	SAV-1-5	N	40	[19]	1	SD-21	SF-1	N/A	N/A	N/A	N/A	N/A	RF-1	х	+	0	[]	40	[19]	
1E10 RESIDENT BEDROOM	AHU-1	SAV-1-7	Y	320	[150]	1	SD-24	SF-1	R	245	[120]	1	RG-24	RF-1	Х	0	0	[]	75	[35]	
1E10A RESIDENT BATHROOM 1E11 RESIDENT BEDROOM	AHU-1	SAV-1-7 SAV-1-8	N	N/A 290	N/A [140]	N/A 	N/A SD-24	SF-1	E R	75 215	[35]	1	EG-22 RG-24	EF-2 RF-1	X	0	75	[35]	75	[35]	
1E11A RESIDENT BATHROOM		SAV-1-8	N	N/A	N/A	' N/A	N/A	SF-1	E	75	[35]	1	EG-22	EF-2	X	-	75	[35]	0	[]	
12 & 12A DINING AREA / KITCHE	N AHU-1	SAV-1-9	Y	1000	[470]	3	SD-53 & 54	SF-1	R	1000	[470]	1	RG-23	RF-1	Х	0	0	[]	0	[]	
1E13 RESIDENT BEDROOM	AHU-1	SAV-1-10	Y	290	[140]	1	SD-24	SF-1	R	215	[100]	1	RG-24	RF-1	Х	0	0	[]	75	[35]	
1E13A RESIDENT BATHROOM	AHU-1	SAV-1-10	N	N/A	N/A	N/A	N/A	SF-1	E	75	[35]	1	EG-22	EF-2	Х	-	75	[35]	0	[]	
1E14 RESIDENT BEDROOM	AHU-1	SAV-1-11	Y	400	[190]	1	SD-24	SF-1	R	325	[150]	1	RG-24	RF-1	х	0	0	[]	75	[35]	
1E14A RESIDENT BATHROOM		SAV-1-11	N	N/A	N/A	N/A	N/A	SF-1	E	75	[35]	1	EG-22	EF-2	X	-	75	[35]	0	[]	
1E15 UTILITY ROOM	AHU-1	SAV-1-13	N	175	[83]	1	SD-21	SF-1	E N/A	225	[110]	1	RR-511	RF-1	X	+	0	[]	50	[24]	OXYGEN TANK STORAGE
1E16 LOBBY 1E17 TEL/DATA ROOM	AHU-1	SAV-1-12 SAV-1-26	Y	1025 500	[480]	N/A 1	N/A SD-24	SF-1 SF-1	N/A N/A	1120 500	[530]	N/A 1	N/A RG-24	EF-1 EF-1	X	0	90	[42]	0	[]	
1E18 LAUNDRY ROOM	AHU-1	SAV-1-7	Y	130	[61]	N/A	N/A	SF-1	N/A	130	[61]	1	EG-21	EF-1	X	0		[]	0	[]	
			CONSULT					<u> </u>							ARCHITEC ⁻						
					•							_	PROFESS			., _, , , , , , , , , , , , , , , , , ,					

					HVAC	DESIGN DA	TA					
			SUMI	MER				WINTER			LOWESTAVE	RAGE ANNUAL
DESIGN CONDITIONS	TE	MP	WET BUI	LB TEMP		TEMP		DEWPOI	NT TEMP		DEW	POINT
	°F	[°C]	°F	[°C]	% HUMIDITY	°F	[°C]	°F	[°C]	% HUMIDITY	°F	[°C]
OUTDOOR DESIGN CONDITIONS	101.1	[38]	70	[21]	N/A	31.5	[-]	N/A	N/A	NA	N/A	N/A
	•	•	•		INDOOR AR	EA DESIGN COND	OITIONS				•	•
LOBBY	75	[24]	62.6	[17]	50	70	[21]	N/A	N/A	50		
RESIDENT BEDROOM	75	[24]	62.6	[17]	50	70	[21]	N/A	N/A	50		
CLEAN, SOILED UTILITY	75	[24]	62.6	[17]	50	70	[21]	N/A	N/A	50		
STORAGE	70	[21]	62.6	N/A	N/A	70	N/A	N/A	N/A	N/A		
NURSE STATION	75	[24]	62.6	[17]	50	70	[21]	N/A	N/A	50		
MEDICATION ROOM	75	[24]	62.6	[17]	50	70	[21]	N/A	N/A	50		
DINING AREA	75	[24]	62.6	[17]	50	70	[21]	N/A	N/A	50		
CORRIDOR	75	[24]	62.6	[17]	50	70	[21]	N/A	N/A	50		
BREAKROOM	75	[24]	62.6	[17]	50	70	[21]	N/A	N/A	50		
MECHANICAL ROOM	84	[29]	62.6	[17]	N/A	40	[4]	N/A	N/A	N/A		
ELECTRICAL ROOM	86	[30]	62.6	[17]	N/A	40	[4]	N/A	N/A	N/A		
TEL/DATA ROOM	68	[20]	62.6	[17]	N/A	68	[20]	N/A	N/A	N/A		
LAUNDRY	78	ſ 26 I	62.6	[17]	60	70	[21]	N/A	N/A	60		

100% CONSTRUCTION DOCUMENTS NOVEMBER 19, 2015

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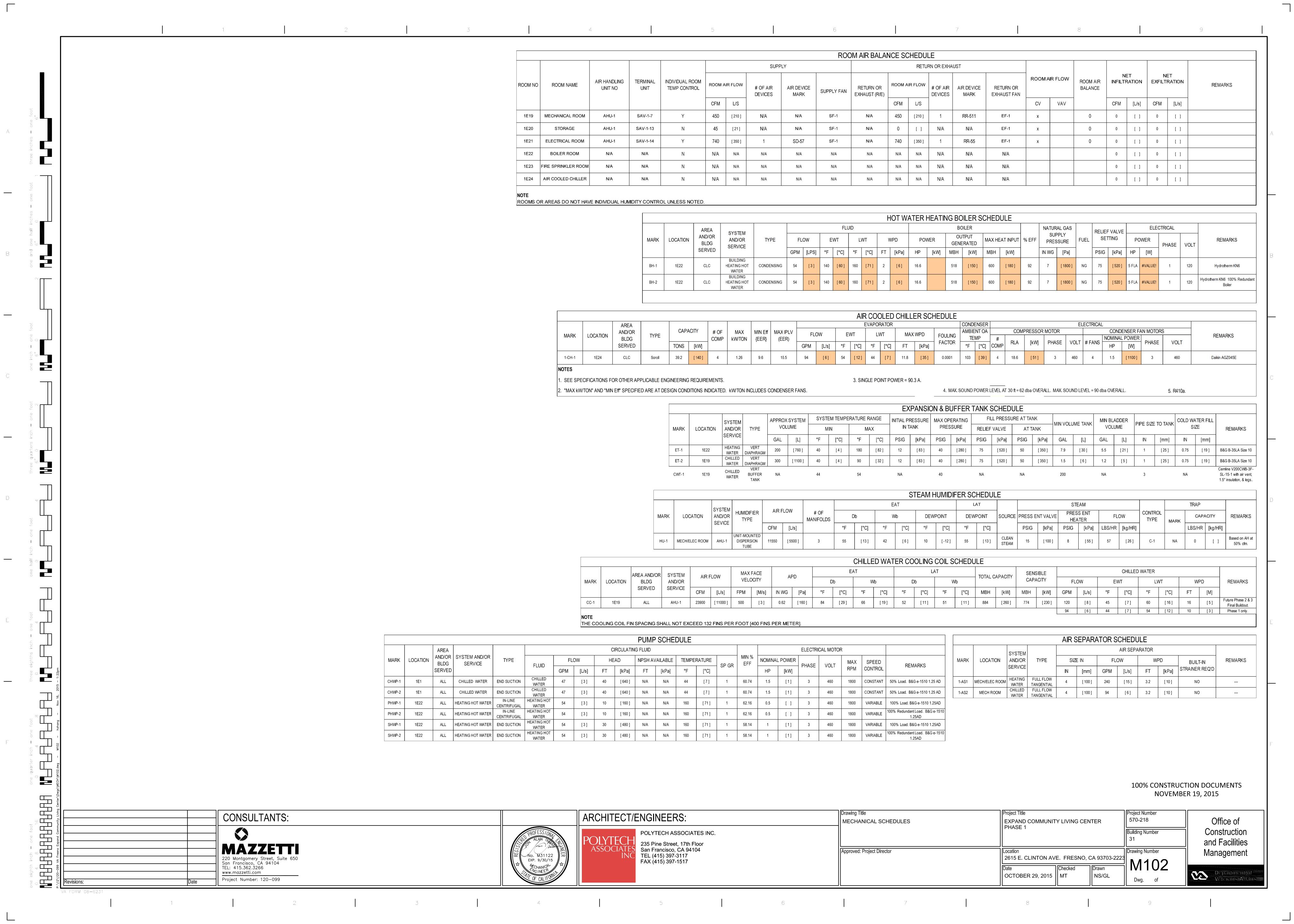
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rawing Title /IECHANICAL SCHEDULES	Project Title EXPAND COMMUNIT PHASE 1	Y LIVING CEN	ITER	Project Number 570-218 Building Number 31	
pproved: Project Director	Location 2615 E. CLINTON AV Date OCTOBER 29, 2015	E. FRESNO, (Checked MT	Drawn NS/GL	Drawing Number M101 Dwg. of	

Office of
Construction
and Facilities
Management



-								SINGLE	DUCT AIR TE	RMINAL LII	UT SCHEDULF												
						AIR F	LOW	JINOLL	DOOT / (IIV 12		VII JOHLDOLL												AREA
RK	LOCATION	AREA AND/OR ROOM	SYSTEM AIR HANDLING	SIZE	M	AX		MIN	ADDITIONAL SOUND ATTUNATION		PE CONTROL SEQUE	NCE	REHEAT		R SUPPLEMEN EAT LINK	NTAL	REMARK	r'S			MARK L	OCATION AN	ND/OR BLDG
		SERVED			CFM	[L/s]	CFM	[L/s]	REQUIRED			HW	ELEC	NONE							AHU-1		ERVED CLC
-1	LEVEL 1	1E01	(N) AHU-1	6"	290	[140]	145	[68]	NONE	VAV	-	X			NONE						NOTES:	1	
-2 -3	LEVEL 1	1E02 1E03	(N) AHU-1 (N) AHU-1	6" 10"	290 940	[140] [440]	145 470	[68]	NONE NONE	VAV	-	X			NONE						PHASE 1, F	cted FOR 26,4 PARTIAL PHASI & 31% Min.	E 2 & 3.
-4	LEVEL 1	1E-3, 1E04 1E08A,B,C &	(N) AHU-1	8"	545	[260]	272.5	[130]	NONE	VAV	-	X			NONE						2. SF-1 (4)	2 hp FAN A	RRAY W/
-5 -6	LEVEL 1	D1E09 1E-1, 1E05, 1E06	(N) AHU-1 (N) AHU-1	8" 8"	256 590	[100]	107.5 295	[51]	NONE NONE	VAV		X			NONE NONE						3. RF-1 (4	4) 6.5 hp FAI	N ARRAY
-7	LEVEL 1	1E10	(N) AHU-1	6" 6"	320	[150]	160	[76] [68]	NONE	VAV	-	X			NONE								
-8 -9	LEVEL 1	1E11 1E12 & 12A	(N) AHU-1 (N) AHU-1	10"	290 1000	[140]	145 500	[240]	NONE NONE	VAV	-	X			NONE								
·10 -11	LEVEL 1	1E13 1E14	(N) AHU-1 (N) AHU-1	6" 6"	290 290	[140] [140]	145 145	[68]	NONE NONE	VAV VAV		X			NONE								
12	LEVEL 1	1E16	(N) AHU-1	10"	1125	[530]	562.5	[270]	NONE	VAV	_	X			NONE								
13 14	LEVEL 1	1E19. 1E21	(N) AHU-1 (N) AHU-1	8" 8"	650 200	[310] [94]	650 100	[310]	NONE NONE	CAV VAV	-	X			NONE								
15	LEVEL 1	1D01 &1A	(N) AHU-1	6"	290	[140]	145	[68]	NONE	VAV	-	X			NONE								
16	LEVEL 1	1D02 &2A 1D03 & 3A	(N) AHU-1 (N) AHU-1	6" 10"	290 910	[140]	145 455	[68]	NONE NONE	VAV	-	X			NONE NONE								
·18 ·19	LEVEL 1	1D04 & 3A 1D05 & 5A	(N) AHU-1 (N) AHU-1	8" 8"	290 290	[140] [140]	145 145	[68] [68]	NONE NONE	VAV VAV	-	X			NONE NONE								
20	LEVEL 1	1D-1, 1D13 & 14		8"	620	[290]	310	[150]	NONE	VAV	_	X			NONE								
21	LEVEL 1	1D10, 1D11, 11A, B & C 1D-3, 1D15	(N) AHU-1	8"	250	[94]	100 297.5	[47]	NONE NONE	VAV	_	X			NONE NONE						AREA	SYSTEM	AIR
23	LEVEL 1	1D16	(N) AHU-1 (N) AHU-1	8" 10"	595 1110	[520]	555	[260]	NONE	VAV	-	X			NONE				- MARK	LOCATION	AND/OR BLDG SERVED	AND/OR SERVICE	
24 25	LEVEL 1	1D17 & 17A 1D18 & 18A	(N) AHU-1 (N) AHU-1	8" 8"	290 290	[140] [140]	145 145	[68]	NONE NONE	VAV VAV	-	X			NONE NONE					5005	WEST	TOILET	CFM
		1E17	(N) AHU-1	8"	500	[240]	250	[120]	NONE	VAV	_	X			NONE				_ EF-1	ROOF	WING	EXHAUST	600
	LEVEL 1			l l				1														T 0 11 ET	
-26 -27	LEVEL 1	1E18	(N) AHU-1	6"	130	[61]	65	[31]	NONE	VAV		X			NONE				EF-2	ROOF	NORTH WING	TOILET EXHAUST	825
		1E18	(N) AHU-1	6"	130	[61]) NW N	AAX FACE	HOT WATER	HEATING COI		TOTAL MIN		NONE	HOT WATE			EF-2	ROOF		TOILET EXHAUST	825
			OR ROOM S			[61]	65 AIR FLO) NW N			HEATING COI			FLOW	NONE	HOT WATE		WF		ROOF % GLYCOL	WING	TOILET EXHAUST	825
27	LEVEL 1	AREA AND/ SER	OR ROOM S	SYSTEM AND/ SERVICE	OR APPL	LICATION	AIR FLO	DW N	MAX FACE VELOCITY M [M/s] IN WG	HOT WATER APD	HEATING COI TEMPERATURE EAT F [°C] °F	S LAT [°C]	TOTAL MIN CAPACITY MBH [kV	FLOW V] GPM [L/s]	EWT °F	[°C] .	R LWT - [°C]	FT		% GLYCOL	WING	EMARKS	825
27 -1 -2	LOCATION LEVEL 1 LEVEL 1	AREA AND/ SERV	OR ROOM S VED	SYSTEM AND/ SERVICE (N) AHU-1 (N) AHU-1	OR APPL	LICATION EHEAT EHEAT	AIR FLO CFM [145 [145 [DW N L/s] FP 68] 70 68] 70	MAX FACE VELOCITY M [M/s] IN WG 0 [4] 0.2 0 [4] 0.2	APD	EAT F [°C] °F 55 [13] 92	S LAT [°C] [33] [33]	TOTAL MIN CAPACITY MBH [kV 5.8 [20 5.8 [20 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	FLOW V] GPM [L/s] O] 0.6 [] O] 0.6 []	EWT	[°C] ° 14	R LWT [°C]	FT 0.1 0.1	PD	% GLYCOL N/A N/A	WING	EMARKS	825
-1 -2 -3 -4	LEVEL 1 LEVEL 1 LEVEL 1 LEVEL 1 LEVEL 1 LEVEL 1	AREA AND/ SER\ 1E0 1E0 1E-3,	OR ROOM S VED 01 02 03 1E04	SYSTEM AND/ SERVICE (N) AHU-1 (N) AHU-1 (N) AHU-1	OR APPL	LICATION EHEAT EHEAT EHEAT EHEAT EHEAT	AIR FLO CFM [145 [145 [440 [275 [DW N L/s] FP 68] 70 68] 70 210] 70 130] 70	MAX FACE VELOCITY M [M/s] IN WG 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2	APD	EAT F [°C] °F 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 88	S	TOTAL MIN CAPACITY MBH [kV 5.8 [20 17.7 [60 9.8 [34	FLOW V] GPM [L/s] O] 0.6 [] O] 0.6 [] O] 1.8 [] H] 1.0 []	*F 160 [160 [160 [[°C] ° 14 71] 14 71] 14 71] 14	C	FT 0.1 0.1 0.1 0.1 0.1	PD	% GLYCOL N/A N/A N/A N/A	WING	EMARKS	825
-1 -2 -3 -4 -5 -6	LEVEL 1	AREA AND/ SER\(^1E(^1E(^1E-3,^1E08A,B,C^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^1E(^1E-1,^	OR ROOM S VED 01 02 03 1E04 & D1E09 05, 1E06	SYSTEM AND/ SERVICE (N) AHU-1 (N) AHU-1 (N) AHU-1 (N) AHU-1 (N) AHU-1 (N) AHU-1	OR APPL RE RE RE RE	LICATION EHEAT EHEAT EHEAT EHEAT EHEAT EHEAT EHEAT	AIR FLO CFM [145 [145 [440 [275 [110 [295 [DW FP 68] 70 68] 70 130] 70 140] 70	MAX FACE VELOCITY M [M/s] IN WG 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2	APD [Fa] [50] [50] [50] [50] [50] [50] [50]	EAT F [°C] °F 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 98	S LAT [°C] [33] [33] [31] [36] [37]	TOTAL MIN CAPACITY MBH [kV 5.8 [20 17.7 [60 9.8 [34 5.0 [13.8 [45 17.8]]	FLOW V] GPM [L/s] O] 0.6 [] O] 0.6 [] O] 1.8 [] H] 1.0 [] O] 0.5 [] O] 1.4 []	EWT *F 160 160 160 160 160 160 160	[°C] ° 14 71] 14 71] 14 71] 14 71] 14 71] 14	C	FT 0.1 0.1 0.1 0.1 0.1 0.1 0.1	PD	% GLYCOL N/A N/A N/A N/A N/A N/A	WING	EMARKS	825
27 -1 -2 -3 -4 -5 -6 -7 -8	LEVEL 1	AREA AND/ SERV 1E0 1E0 1E-3, 1E08A,B,C 1E-1, 1E0 1E1	OR ROOM S VED 01 02 03 1E04 & D1E09 05, 1E06 10 11	SYSTEM AND/ SERVICE (N) AHU-1	OR APPL RE RE RE RE RE	LICATION EHEAT EHEAT EHEAT EHEAT EHEAT EHEAT EHEAT EHEAT EHEAT	AIR FLO CFM [145 [145 [275 [110 [295 [160 [145 [DW FP 68] 70 68] 70 130] 70 140] 70 68] 70 68] 70	MAX FACE VELOCITY M [M/s] IN WG 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2	APD [Fa] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50]	EAT F [°C] °F 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 98 55 [13] 98 55 [13] 98 55 [13] 98	S LAT [°C] [33] [33] [31] [36] [37] [29] [33]	TOTAL MIN CAPACITY MBH [kV 5.8 [20 17.7 [60 9.8 [34 5.0 [1.3 8	FLOW V] GPM [L/s] O] 0.6 [] O] 0.6 [] O] 1.8 [] H] 1.0 [] O] 0.5 [] O] 1.4 [] O] 0.5 [] O] 0.6 []	EWT *F 160 160 160 160 160 160 160 160 160 16	[°C]	C	FT 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	PD	% GLYCOL N/A N/A N/A N/A N/A N/A N/A N/	WING	EMARKS	825
1 2 3 4 5 6 7 8 9	LEVEL 1	AREA AND/ SERV 1E0 1E0 1E-3, 1E08A,B,C 1E-1, 1E0 1E1 1E12 8	/OR ROOM S O1 O2 O3 1E04 & D1E09 O5, 1E06 10 11 & 12A 13	SYSTEM AND/ SERVICE (N) AHU-1	OR APPL RE RE RE RE RE RE	LICATION EHEAT	AIR FLO CFM [145 [145 [140 [275 [110 [295 [160 [145 [500 [145 [DW FP 68] 70 68] 70 130] 70 130] 70 140] 70 68] 70 240] 70 68] 70	MAX FACE VELOCITY M [M/s] IN WG 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2	APD [Fa] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50]	EAT F [°C] °F 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 98 55 [13] 98 55 [13] 98 55 [13] 98 55 [13] 98 55 [13] 98 55 [13] 92	S LAT [°C] [33] [33] [31] [36] [37] [29] [33] [28] [33]	TOTAL MIN CAPACITY MBH [kV 5.8 [20 5.8 [20 5.8] 34 5.0] 13.8 [43 5.2] 18 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8 [20 5.8] 20 5.8	FLOW V] GPM [L/s] O] 0.6 [] O] 0.6 [] O] 1.8 [] H] 1.0 [] O] 0.5 [] O] 1.4 [] O] 0.6 []	EWT *F 160 160 160 160 160 160 160 160 160 16	[°C]	C	FT 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.	PD	% GLYCOL N/A N/A N/A N/A N/A N/A N/A N/	WING	EMARKS	825
27 -1 2 3 4 5 6 7 8 9 10 11	LEVEL 1	AREA AND/ SERV 1E0 1E0 1E-3, 1E08A,B,C 1E-1, 1E0 1E1 1E1 1E12 8 1E1 1E1	/OR ROOM S O1 O2 O3 1E04 & D1E09 O5, 1E06 10 11 & 12A 13 14	SYSTEM AND/ SERVICE (N) AHU-1	OR APPL RE RE RE RE RE RE RE	LICATION EHEAT	AIR FLO CFM [145 [145 [140 [275 [110 [295 [140 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [DW	MAX FACE VELOCITY M [M/s] IN WG 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2	APD [Fa] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [EAT F [°C] °F 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 98 55 [13] 98 55 [13] 98 55 [13] 98 55 [13] 98 55 [13] 98 55 [13] 98 55 [13] 98 55 [13] 98 55 [13] 85 55 [13] 85 55 [13] 82 55 [13] 82 55 [13] 82	S LAT [°C] [33] [33] [33] [36] [37] [29] [33] [28] [33] [39]	TOTAL MIN CAPACITY MBH [kV 5.8 [20 5.8 [20 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60 5.8] 17.7 [60	FLOW GPM	EWT *F 160 160 160 160 160 160 160 160 160 16	[°C]	C	FT 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.	PD	% GLYCOL N/A N/A N/A N/A N/A N/A N/A N/	WING	EMARKS	825
27 -1 2 3 4 5 6 7 8 9 10 11 12 13	LEVEL 1	AREA AND/ SERV 1E0 1E0 1E-3, 1E08A,B,C 1E-1, 1E0 1E1 1E1 1E1 1E1 1E1 1E1	VOR ROOM S VED 01 02 03 1E04 & D1E09 05, 1E06 10 11 18 12A 13 14 16 9, 1E20 21	SYSTEM AND/ SERVICE (N) AHU-1	OR APPL RE	LICATION EHEAT	AIR FLO CFM [145 [145 [140 [275 [110 [295 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145	DW	MAX FACE VELOCITY M [M/s] IN WG 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2	APD [Fa] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [EAT F [°C] °F 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 98 55 [13] 98 55 [13] 98 55 [13] 98 55 [13] 98 55 [13] 92 55 [13] 98 55 [13] 98 55 [13] 98 55 [13] 85 55 [13] 82 55 [13] 82 55 [13] 72 55 [13] 72	S LAT [°C] [33] [33] [33] [31] [36] [37] [29] [28] [28] [33] [28] [28] [28] [22] [24]	TOTAL MIN CAPACITY MBH [kV 5.8 [20 5.8 [20 5.8]	FLOW O GPM [L/s]	EWT *F 160 160 160 160 160 160 160 160 160 16	[°C]	C	FT 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.	PD	% GLYCOL N/A N/A N/A N/A N/A N/A N/A N/	WING	EMARKS	825
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	LEVEL 1	AREA AND/ SER\(1E() 1E() 1E-3, 1E08A,B,C 1E-1, 1E() 1E12 & 1E12 & 1E12 & 1E13 & 1E15,1E1 1E2 1D0 1D0	VOR ROOM S VED 01 02 03 1E04 & D1E09 05, 1E06 10 11 02 13 14 16 9, 1E20 21 01 02	SYSTEM AND/ SERVICE (N) AHU-1	OR APPL RE	LICATION EHEAT	AIR FLO CFM [145 [145 [140 [275 [110 [295 [145 [145 [145 [500 [145 [145 [565 [650 [0 [145 [145 [DW	MAX FACE VELOCITY M [M/s] IN WG 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2	APD [Fa] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [EAT F [°C] °F 55 [13] 92 55 [13] 92 55 [13] 98 55 [13] 98 55 [13] 98 55 [13] 98 55 [13] 98 55 [13] 92 55 [13] 98 55 [13] 92 55 [13] 98 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92	S LAT [°C] [33] [33] [33] [31] [36] [37] [29] [28] [28] [33] [28] [28] [28] [33] [28] [33] [32] [22] [24] [38] [33]	TOTAL MIN CAPACITY MBH [kV 5.8 [20 5.8 [20 5.8]	FLOW O GPM [L/s]	EWT *F 160 160 160 160 160 160 160 160 160 16	[°C]	C	FT 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.	PD	% GLYCOL N/A N/A N/A N/A N/A N/A N/A N/	WING	EMARKS	825
1 2 3 4 5 6 7 8 9 10 11 2 13 4 15 16 17 18	LEVEL 1	AREA AND/ SERV 1E0 1E0 1E-3, 1E08A,B,C 1E-1, 1E0 1E12 & 1E12 & 1E12 & 1E15,1E1 1E2 1D0 1D03 1D03	/OR ROOM S O1 O2 O3 1E04 & D1E09 O5, 1E06 10 11 & 12A 13 14 16 9, 1E20 21 O1 O2 & 3A O4	SYSTEM AND/ SERVICE (N) AHU-1	OR APPL RE	LICATION EHEAT	AIR FLO CFM [145 [145 [147 [275 [110 [295 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145	DW	MAX FACE VELOCITY M [M/s] IN WG 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [6] 0.2 0 [6] 0.2 0 [7] 0.2 0 [8] 0.2 0 [9] 0.2 0 [9] 0.2 0 [9] 0.2 0 [9] 0.2 0 [9] 0.2 0 [9] 0.2 0 [9] 0.2 0 [9] 0.2 0 [9] 0.2	APD [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [EAT F [°C] °F 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 98 55 [13] 98 55 [13] 98 55 [13] 98 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92	S LAT [°C] [33] [33] [33] [31] [36] [37] [29] [28] [28] [33] [28] [32] [22] [24] [38] [33] [31]	TOTAL MIN CAPACITY MBH [kV 5.8 [20 5.8 [20 5.8]	FLOW O GPM [L/s]	EWT *F 160 160 160 160 160 160 160 160 160 16	[°C]	C	FT 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.	PD	% GLYCOL N/A N/A N/A N/A N/A N/A N/A N/	WING	EXHAUST	825
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	LEVEL 1	AREA AND/ SERV 1E0 1E0 1E-3, 1E08A,B,C 1E-1, 1E0 1E12 & 1E12 & 1E15,1E1 1E15,1E1 1E2 1D0 1D03 1D03 1D0 1D-1, 1D	/OR ROOM S O1 O2 O3 1E04 & D1E09 O5, 1E06 10 11 & 12A 13 14 16 9, 1E20 21 O1 O2 & 3A O4 O5 13 & 14	SYSTEM AND/ SERVICE (N) AHU-1	OR APPL RE	LICATION EHEAT	AIR FLO CFM [145 [145 [147 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145	DW	MAX FACE VELOCITY M [M/s] IN WG 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2	APD [Fa] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [EAT F [°C] °F 55 [13] 92 55 [13] 92 55 [13] 98 55 [13] 98 55 [13] 98 55 [13] 98 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92	S LAT [°C] [33] [33] [33] [31] [36] [37] [29] [28] [28] [33] [28] [28] [28] [33] [32] [22] [24] [38] [33] [31] [33] [31] [33]	TOTAL MIN CAPACITY MBH [kV 5.8 [20 5.8 [20 5.8]	FLOW O GPM [L/s] O G GPM [L/s] O GPM [L/s	EWT *F 160 160 160 160 160 160 160 160 160 16	[°C]	C	FT 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.	PD	% GLYCOL N/A N/A N/A N/A N/A N/A N/A N/	WING	EXHAUST	825
27 -1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	LEVEL 1	AREA AND/ SERV 1E0 1E0 1E-3, 1E08A,B,C 1E-1, 1E0 1E12 & 1E12 & 1E15,1E1 1E15,1E1 1E15,1E1 1D0 1D0 1D03 1D0 1D01 1D10, 1D11, 1D-3,	VOR ROOM S VED O1 O2 O3 1E04 & D1E09 O5, 1E06 10 11 & 12A 13 14 16 9, 1E20 21 O1 O2 & 3A O4 O5 13 & 14 11A, B & C 1D15	SYSTEM AND/ SERVICE (N) AHU-1	OR APPL RE	LICATION EHEAT	AIR FLO CFM [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 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[145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145	DW	MAX FACE VELOCITY M [M/s] IN WG 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2	APD [Fa] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] 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[13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92	S LAT [°C] [33] [33] [33] [31] [36] [37] [29] [28] [28] [33] [28] [28] [33] [32] [22] [24] [38] [33] [31] [33] [31] [33] [31] [33]	TOTAL MIN CAPACITY MBH [kV 5.8 [20 5.8 [20 5.8]	FLOW O GPM [L/s] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] O G [] 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PD	% GLYCOL N/A N/A N/A N/A N/A N/A N/A N/	WING	EXHAUST	825
27 -1 -2 -3 -4 -5 -6 -7 -8 -9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	LEVEL 1	AREA AND/ SERV 1E0 1E0 1E-3, 1E08A,B,C 1E-1, 1E0 1E12 & 1E12 & 1E15,1E1 1E15,1E1 1E15,1E1 1D0 1D0 1D0 1D0 1D0 1D10, 1D11, 1D-3, 1D7	/OR ROOM S O1 O2 O3 1E04 & D1E09 O5, 1E06 10 11 & 12A 13 14 16 9, 1E20 21 O1 O2 & 3A O4 O5 13 & 14 11A, B & C 1D15 16 17	SYSTEM AND/ SERVICE (N) AHU-1	OR APPL RE	LICATION EHEAT	AIR FLO CFM [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145	DW	MAX FACE VELOCITY M [M/s] IN WG 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2	APD [Fa] [Fa] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [EAT F [°C] °F 55 [13] 92 55 [13] 92 55 [13] 98 55 [13] 98 55 [13] 98 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92	S LAT [°C] [33] [33] [33] [31] [36] [37] [29] [28] [28] [33] [28] [32] [22] [24] [38] [33] [31] [33] [31] [33] [31] [33]	TOTAL MIN CAPACITY MBH	FLOW GPM	EWT *F 160 160 160 160 160 160 160 160 160 16	[°C]	C	FT 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.	PD	% GLYCOL N/A N/A N/A N/A N/A N/A N/A N/	WING	EXHAUST	825
27 -1 -2 -3 -4 -5 -6 -7 -8 -9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	LEVEL 1	AREA AND/ SERV 1E0 1E0 1E-3, 1E08A,B,C 1E-1, 1E0 1E12 & 1E12 & 1E15,1E1 1E15,1E1 1E15,1E1 1D0 1D0 1D0 1D0 1D0 1D10, 1D11, 1D-3, 1D0 1D10, 1D11, 1D-3, 1D0 1D0 1D10, 1D11,	/OR ROOM S O1 O2 O3 1E04 & D1E09 O5, 1E06 10 11 & 12A 13 14 16 9, 1E20 21 O1 O2 & 3A O4 O5 13 & 14 11A, B & C 1D15 16 17 18 17	SYSTEM AND/ SERVICE (N) AHU-1	OR APPL RE	LICATION EHEAT	AIR FLO CFM [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145	DW	MAX FACE VELOCITY M [M/s] IN WG 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2 0 [4] 0.2	APD [Fa] [Fa] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [50] [EAT F [°C] °F 55 [13] 92 55 [13] 92 55 [13] 98 55 [13] 98 55 [13] 98 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92	S LAT [°C] [33] [33] [33] [31] [36] [37] [29] [28] [33] [33] [32] [24] [38] [38] [33] [31] [33] [31] [33] [31] [33] [31] [31] [31] [31] [31] [33]	TOTAL MIN CAPACITY MBH	FLOW O GPM [L/s]	EWT *F 160 160 160 160 160 160 160 160 160 16	[°C]	E LWT	FT 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.	PD	% GLYCOL N/A N/A N/A N/A N/A N/A N/A N/	WING	EXHAUST EMARKS	825
27 -1 -2 -3 -4 -5 -6 -7 -8 -9 -10 -11 -12 -13 -14 -15 -16 -17 -18 -19 -20 -21 -22 -23 -24 -25 -27	LEVEL 1 LEVEL 1	AREA AND/ SERV 1E0 1E0 1E-3, 1E08A,B,C 1E-1, 1E0 1E12 & 1E12 & 1E15,1E1 1E15,1E1 1E15,1E1 1D0 1D03 1D03 1D00 1D-1, 1D 1D10, 1D11, 1D-3, 1D0 1D0 1D0 1D10, 1D11, 1D-3,	/OR ROOM S O1 O2 O3 1E04 & D1E09 O5, 1E06 10 11 & 12A 13 14 16 9, 1E20 21 O1 O2 & 3A O4 O5 13 & 14 11A, B & C 1D15 16 17 18 17	SYSTEM AND/ SERVICE (N) AHU-1	OR APPL RE	LICATION EHEAT	AIR FLO CFM [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 [145 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[50] [50] [50] [50] [50] [50] [50] [50] [5	EAT F [°C] °F 55 [13] 92 55 [13] 92 55 [13] 98 55 [13] 98 55 [13] 98 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92 55 [13] 92	S LAT [°C] [33] [33] [33] [31] [36] [37] [29] [28] [28] [33] [28] [33] [33] [32] [24] [38] [33] [31] [33] [31] [33] [31] [31] [31] [31] [31] [33] [31] [33] [35]	TOTAL MIN CAPACITY MBH [kV 5.8 [20 5.8 [20 5.8] 7.7 [60 60 5.8] 7.8 [20 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 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7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.8] 7.4 [25 5.	FLOW GPM	EWT *F 160 160 160 160 160 160 160 160 160 16	[°C]	E LWT - [°C] - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60) - (60)	FT 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.	PD	% GLYCOL N/A N/A N/A N/A N/A N/A N/A N/	MING RI	EXHAUST	ed.

0 0 0 0 0 0 0 0 0 0 0

											AIR H	ANDLIN	G UNIT	SCHEDU	JLE							
MARK	LOCATION	AREA AND/OR BLDG	TYPE	AIR FLOW	SUP	PLY		FLOW	RET	URN	SUPPLY FAN MARK	RETURN OR RELIEF	EXHAUST FAN MARK	PREFILTER MARK	AFTER FILTER MARK	FINAL FILTER	HEAT RECOVERY	PREHEAT COIL MARK	COIL	REHEAT	HUMIDIFIER MARK	REMARKS
		SERVED		. 2011	CFM	[L/s]	CFM	[L/s]	CFM	[L/s]	MARK	HAN MARK		.,,,,,,,,,	MARK	MARK	MARK		MARK	00.2		
AHU-1	IE19	CLC	DRAW THRU	VAV	23900	[11000]	7410	[3500]	15015	[7100]	SF-1	RF-1	N/A	FF-1	_	FF-2	N/A	PHC-1	CC-1	_	HU-1 (57LB/HR)	1,2,3

								Al	R FILT	ER SC	CHEDULE					
			SYSTEM		AID EL	OW		AF	PD					CARTRIDGES		
MARK	LOCATION	AREA AND/OR BLDG SERVED	AND/OR SERVICE		AIR FL	.OW	INI	TIAL	CHANG	SEOVER	HOUSING TYPE	Ш	S	ZE	ADDANGEMENT	DEMARKS
			SERVICE		CFM	[L/s]	IN	[mm]	IN	[mm]		#	IN	[mm]	ARRANGEMENT	REMARKS
FF-1	1E19	ALL	AHU-1	8	23900 [11000]	0.25	[6]	0.5	[13]	Holding Frame	6	12 x 24 x 2	[600 x 600 x 50]	1 WIDE BY 6 HIGH	
FF-2	1E19	ALL	AHU-1	11	23900 [11000]	0.65	[16]	1.3	[33]	Holding Frame	6	12 x 24 x 12	[600 x 600 x 50]	1 WIDE BY 6 HIGH	

											FAN SC	CHEDUI	LE												
		AREA	SYSTEM	۸ID	FLOW	-	ΓSP				FAN								MOT	OR ELECT	RICAL				
MARK	LOCATION	AND/OR BLDG	AND/OR	AIN	I LOW		ISF	TYPE	WHEEL	CLASS	ARRANGEMENT, ROTATION,	DIAM	ETER	MIN %	DRIVE	FAN MAX	NOM	IINAL POV	WER	- PHASE	VOLT	RPM	SPEED	CONTROL SEQUENCE	REMARKS
		SERVED	SERVICE	CFM	[L/s]	IN	[Pa]	IIFE	WHEEL	CLASS	AND DISCHARGE	IN	[mm]	EFF	DRIVE	RPM	BHP	HP	[kW]	FHASE	VOLI	IV L IVI	CONTROL		
EF-1	ROOF	WEST WING	TOILET EXHAUST	600	[280]	1	[250]	CENTRIFUGAL	BI	I	CW ROTATION, UPBLAST	12	[300]	61%	BELT	1820		1/4	[]	3	460	1725	MANUAL		Greenheck CUBE-99HP
EF-2	ROOF	NORTH WING	TOILET EXHAUST	825	[390]	1	[250]	CENTRIFUGAL	BI	I	CW ROTATION, UPBLAST	12	[300]	59%	BELT	1725		1/4	[]	3	460	1725	MANUAL		Greenheck CUBE-101HP

								AIR DE	VICE SCHE	DULE (SUPP	LY)					
			AIR F	FLOW		MAV	ADD.		PANEL/F	RAME SIZE	NECK	SIZE				
MARK	TYPE	М	IN	М	AX	MAX	APD	MOUNTING	INI INI		INI	[mm]	NC	DAMPER	FINISH	REMARKS
		CFM	[L/s]	CFM	[L/s]	IN WG	[Pa]		IN x IN	[mm x mm]	IN	[mm]				
SD-11	LOUVERED FACE	40	[19]	100	[47]	0.092	[23]	CEILING	24 x 24	[600 x 600]	6 ø	[152 ø]	16	NONE	WHITE	
SD-12	LOUVERED FACE	100	[47]	245	[120]	0.080	[20]	CEILING	24 x 24	[600 x 600]	8 ø	[203 ø]	21	NONE	WHITE	
SD-13	LOUVERED FACE	245	[120]	350	[170]	0.092	[23]	CEILING	24 x 24	[600 x 600]	10 ø	[254 ø]	22	NONE	WHITE	
SD-14	LOUVERED FACE	350	[170]	470	[220]	0.085	[21]	CEILING	24 x 24	[600 x 600]	12 ø	[305 ø]	22	NONE	WHITE	
WSD-1	LOUVERED FACE	100	[47]	135	[64]	0.029	[7]	SIDEWALL	11.75 x 7.75	[298 x 171]	10 x 6	[254 x 152]	_	NONE	WHITE	
SD-51	SUPPLY REGISTER	80	[38]	120	[57]	0.100	[25]	WALL	8 x 8	[203 x 203]	6 x 6	[152 x 152]	25	OBD	WHITE	
SD-52	SUPPLY REGISTER	80	[38]	160	[76]	0.090	[23]	WALL	12 x 8	[305 x 203]	10 x 6	[254 x 152]	25	OBD	WHITE	
SD-53	SUPPLY REGISTER	130	[61]	350	[170]	0.080	[20]	WALL	14 x 10	[356 x 254]	12 x 8	[305 x 203]	26	OBD	WHITE	
SD-54	SUPPLY REGISTER	200	[94]	500	[240]	0.100	[25]	WALL	14 x 12	[356 x 305]	12 x 10	[305 x 254]	26	OBD	WHITE	
SD-55	SUPPLY REGISTER	400	[190]	700	[330]	0.080	[20]	WALL	18 x 12	[508 x 305]	18 x 10	[457 x 254]	26	OBD	WHITE	
SD-56	SUPPLY REGISTER	360	[170]	700	[330]	0.070	[18]	WALL	18 x 18	[457 x 457]	16 x 16	[406 x 406]	27	OBD	WHITE	
SD-57	SUPPLY REGISTER	560	[260]	1100	[520]	0.070	[18]	WALL	22 x 22	[560 x 560]	20 x 20	[508 x 508]	28	OBD	WHITE	
SD-58	SUPPLY REGISTER	1250	[590]	3000	[1400]	0.100	[25]	WALL	32 x 32	[813 x 813]	30 x 30	[762 x 762]	36	OBD	WHITE	

1. SEE DETAIL FOR DAMPER IN BRANCH DUCT SERVING EACH DIFFUSER. 2. PROVIDE SQUARE TO ROUND ADAPTER.

								AIR DE	VICE SCHE	DULE (RETU	IRN)					
			AIR F	LOW		MAX	ΔPD		PANEL/FE	RAME SIZE	NF Ck	< SIZE				
MARK	TYPE	М	IN	MA	4X	IVIAA	AI D	MOUNTING	1711422711	,	NLO	\ JIZL	NC	DAMPER	FINISH	REMARKS
		CFM	[L/s]	CFM	[L/s]	IN WG	[Pa]		IN x IN	[mm x mm]	IN x IN	[mm x mm]				
RG-21	PERFORATED	60	[28]	100	[47]	0.090	23.000	CEILING	24 x 24	[600 x 600]	6 ø	[152 ø]	_	NONE	WHITE	
RG-22	PERFORATED	100	[47]	175	[83]	0.090	23.000	CEILING	24 x 24	[600 x 600]	8 ø	[203 ø]	13	NONE	WHITE	
RG-23	PERFORATED	175	[83]	275	[130]	0.090	23.000	CEILING	24 x 24	[600 x 600]	10 ø	[254 ø]	16	NONE	WHITE	
RG-24	PERFORATED	275	[130]	390	[180]	0.090	23.000	CEILING	24 x 24	[600 x 600]	12 ø	[305 ø]	17	NONE	WHITE	
RG-25	PERFORATED	1000	[470]	1340	[630]	0.060	15.000	CEILING	24 x 24	[600 x 600]	22 X 22	[559 x 559]	20	NONE	WHITE	
WRG-1	LOUVERED	120	[57]	165	[78]	0.023	5.800	SIDEWALL	13.75 x 7.75	[349 x 196]	12 x 6	[305 x 152]	_	NONE	WHITE	
RR-51	RETURN REGISTER	130	[61]	210	[99]	0.078	20.000	WALL	10 x 10	[254 x 254]	8 x 8	[203 x 203]	13	OBD	WHITE	
RR-52	RETURN REGISTER	200	[94]	330	[160]	0.078	20.000	WALL	12 x 12	[305 x 305]	10 x 10	[254 x 254]	15	OBD	WHITE	
RR-53	RETURN REGISTER	270	[130]	440	[210]	0.078	20.000	WALL	14 x 14	[356 x 356]	12 x 12	[305 x 305]	17	OBD	WHITE	
RR-54	RETURN REGISTER	250	[120]	610	[290]	0.082	21.000	WALL	16 x 16	[406 x 406]	14 x 14	[356 x 356]	18	OBD	WHITE	
RR-55	RETURN REGISTER	320	[150]	810	[380]	0.082	21.000	WALL	18 x 18	[457 x 457]	16 x 16	[406 x 406]	19	OBD	WHITE	
RR-56	RETURN REGISTER	90	[42]	160	[76]	0.078	20.000	WALL	10 x 8	[254 x 203]	8 x 6	[203 x 152]	12	OBD	WHITE	
RR-57	RETURN REGISTER	140	[66]	240	[110]	0.078	20.000	WALL	14 x 8	[356 x 203]	12 x 6	[305 x 152]	14	OBD	WHITE	
RR-58	RETURN REGISTER	210	[99]	350	[170]	0.078	20.000	WALL	20 x 8	[508 x 203]	18 x 6	[457 x 152]	16	OBD	WHITE	
RR-59	RETURN REGISTER	190	[90]	320	[150]	0.078	20.000	WALL	14 x 10	[356 x 254]	12 x 8	[305 x 203]	15	OBD	WHITE	
RR-510	RETURN REGISTER	220	[100]	360	[170]	0.078	20.000	WALL	14 x 12	[356 x 305]	12 x 10	[305 x 254]	16	OBD	WHITE	
RR-511	RETURN REGISTER	330	[160]	560	[260]	0.078	20.000	WALL	20 x 12	[508 x 305]	18 x 10	[457 x 254]	17	OBD	WHITE	
RR-512	RETURN REGISTER	360	[170]	850	[400]	0.082	21.000	WALL	26 x 14	[660 x 356]	24 x 12	[600 x 305]	20	OBD	WHITE	
RR-513	RETURN REGISTER	460	[220]	1260	[590]	0.095	24.000	WALL	32 x 14	[813 x 356]	30 x 12	[762 x 305]	24	OBD	WHITE	

1. PROVIDE SQUARE TO ROUND ADAPTER.

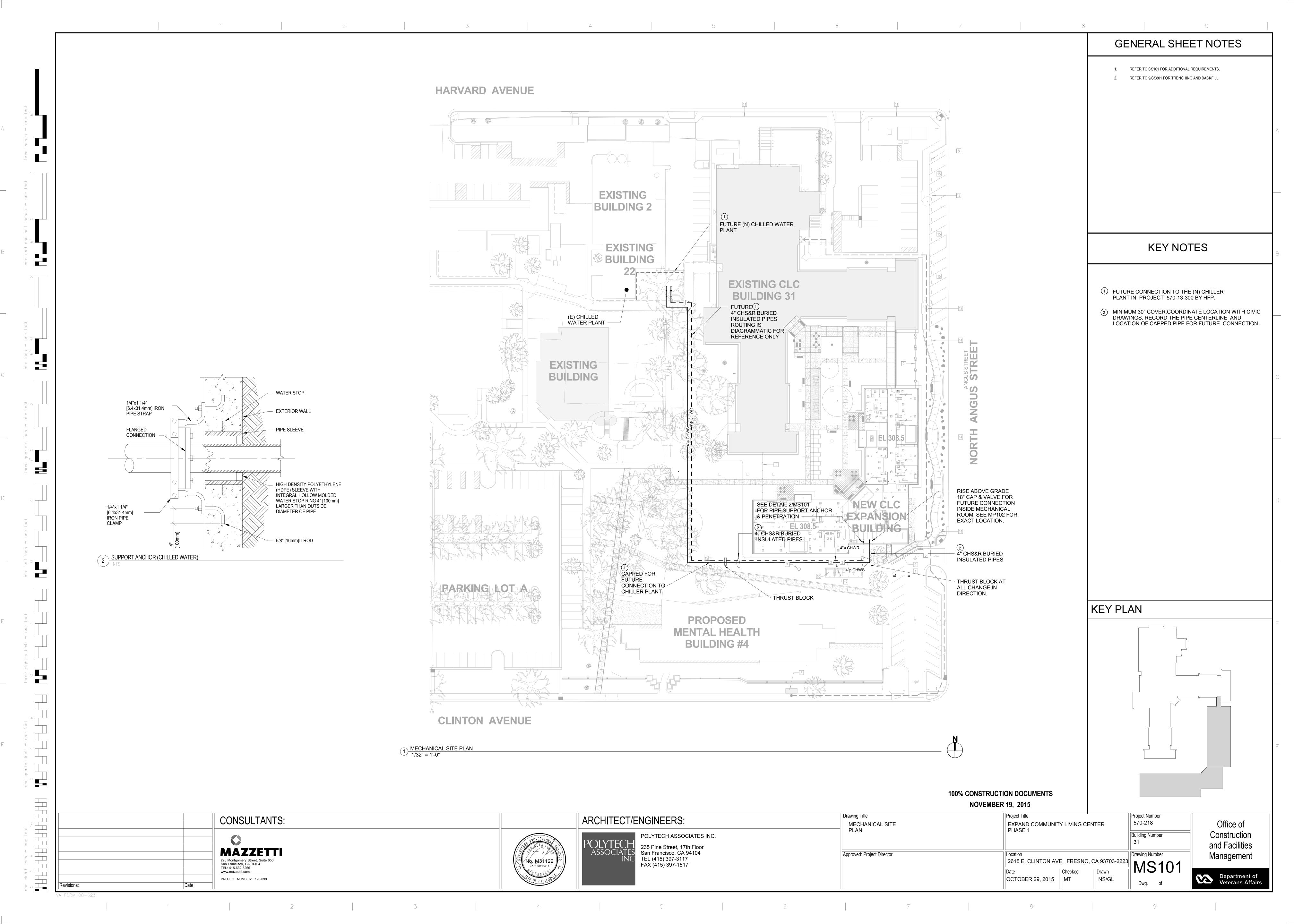
							AIR DEV	ICE SCHEE	DULE (EXHA	UST)						
MARK	TYPE	AIR MIN	FLOW MA	AX	MAX	APD	MOUNTING	PANEL/FF	RAME SIZE	NECK	SIZE	NC	DAMPER	FINISH	REMARKS	
		CFM [L/s]	CFM	[L/s]	IN WG	[Pa]		IN x IN	[mm x mm]	IN x IN	[mm x mm]					
EG-21	PERFORATED	60 [28]	100	[47]	0.090	23.000	CEILING	24 x 24	[600 x 600]	6 ø	[152 ø]	12	NONE	WHITE		
EG-22	PERFORATED	60 [28]	100	[47]	0.090	23.000	CEILING	12 x 12	[600 x 600]	6 ø	[152 ø]	12	NONE	WHITE		
		•			•									•		

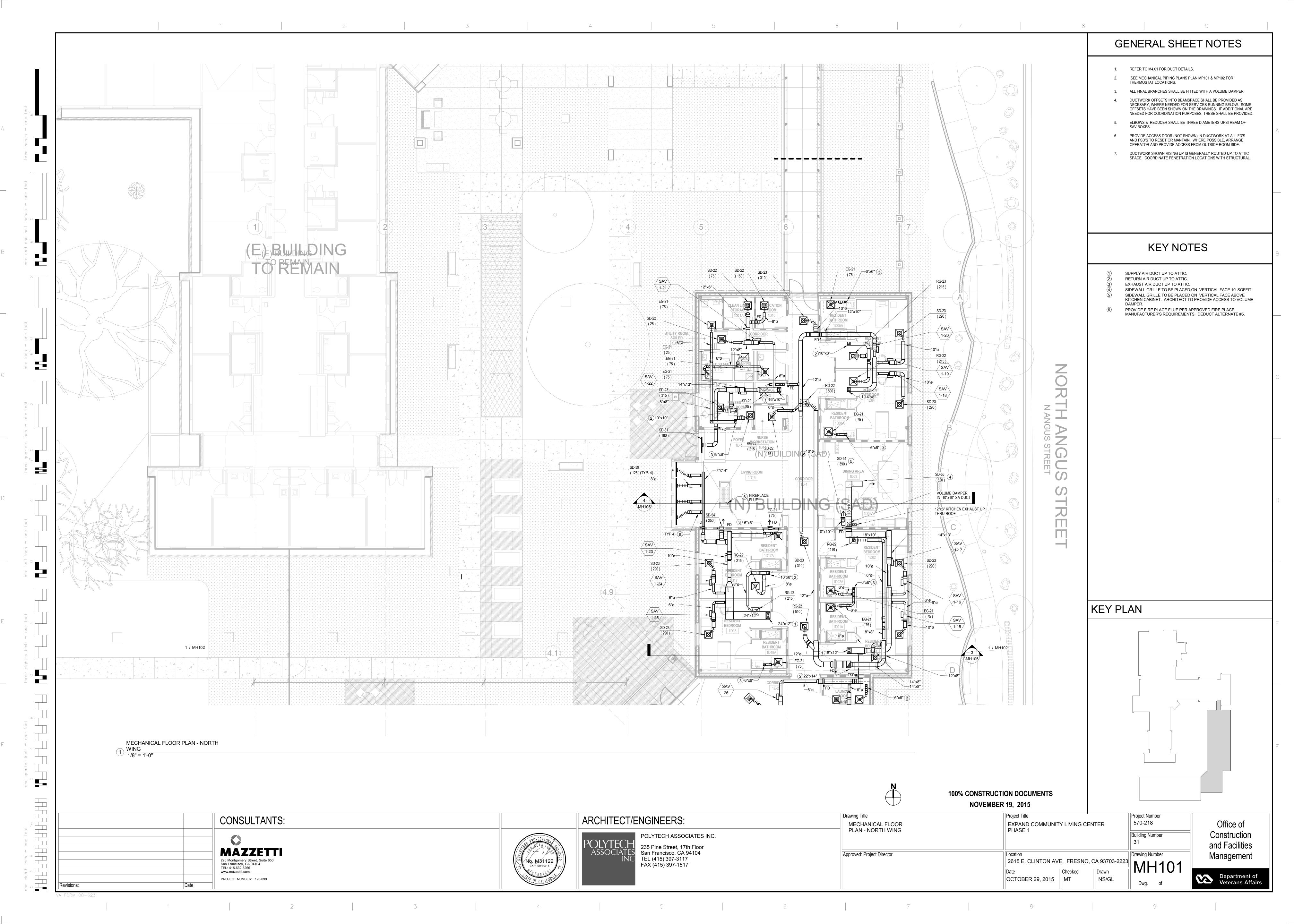
NOTE Provide square to round adapter.

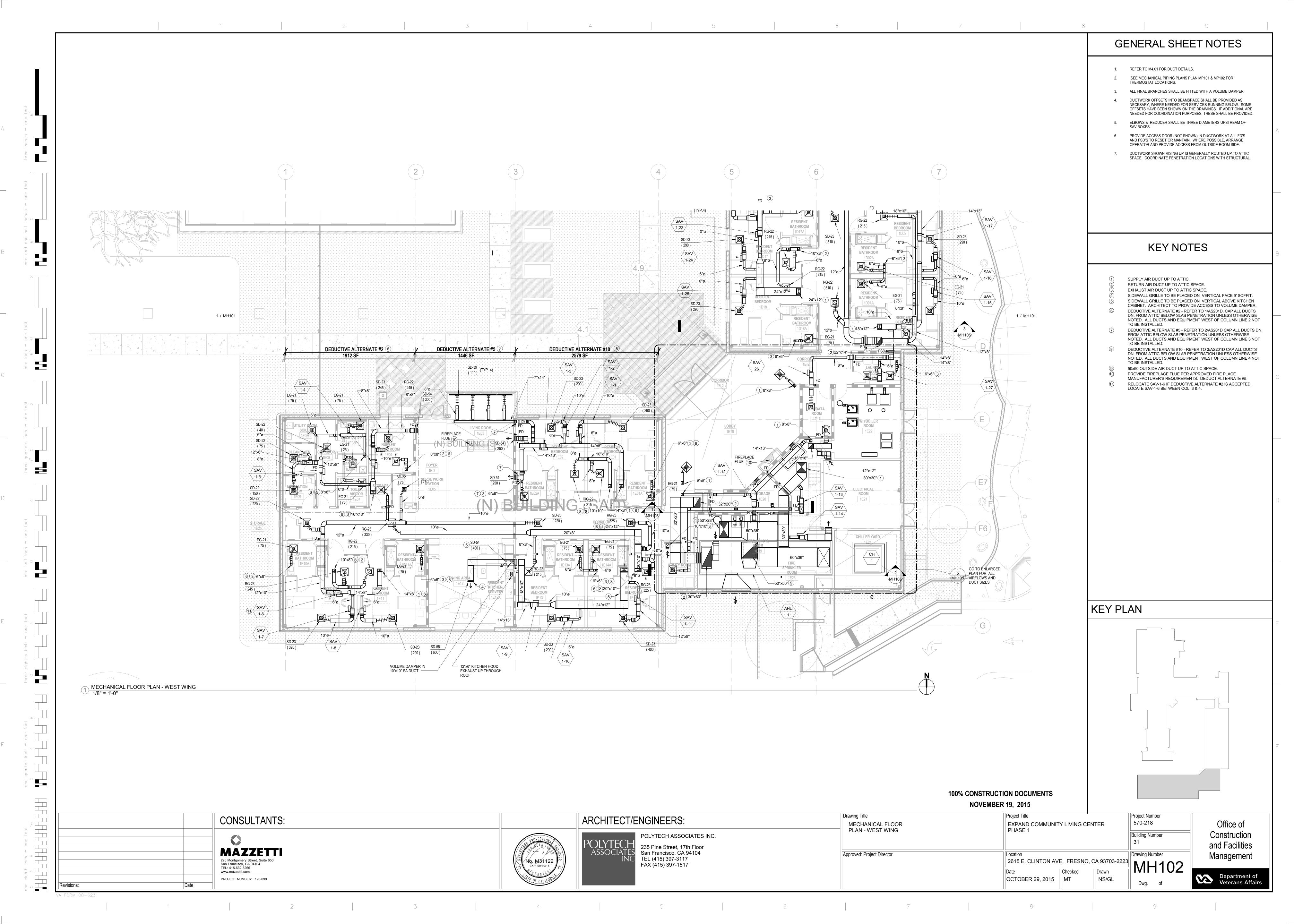
100% CONSTRUCTION DOCUMENTS NOVEMBER 19, 2015

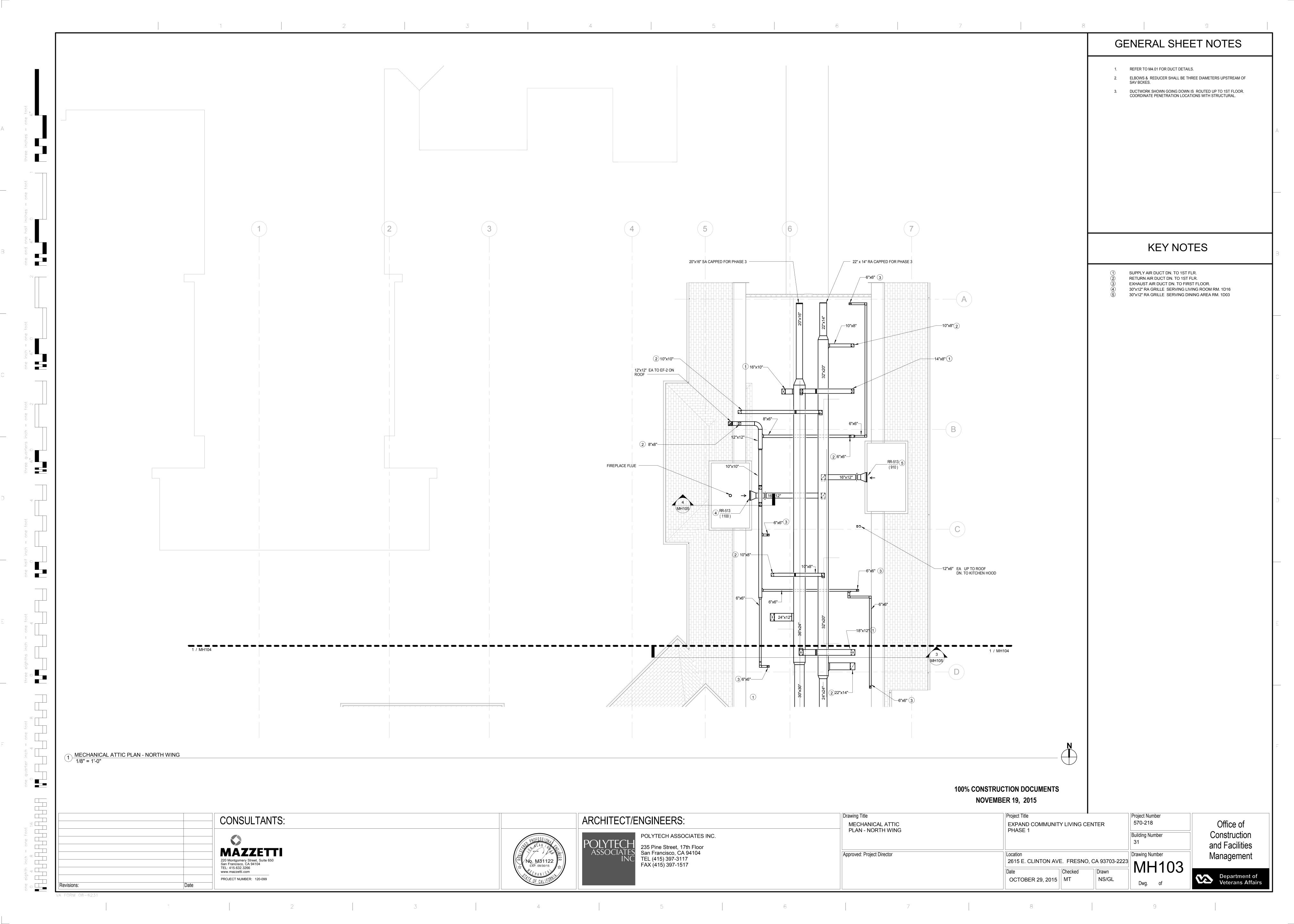
CONSULTANTS:	ARCHITECT/ENGINEERS:	Drawing Title MECHANICAL SCHEDULES	Project Title EXPAND COMMUNITY LIVING CENTER	Project Number 570-218	Office of
Hard Company of the C	POLYTECH ASSOCIATES INC. 235 Pine Street, 17th Floor		PHASE 1	Building Number 31	Construction and Facilities
MAZZETTI 220 Montgomery Street, Suite 650 Son Francisco CA 94104	ASSOCIATES San Francisco, CA 94104 TEL (415) 397-3117 FAX (415) 397-1517	Approved: Project Director	Location 2615 E. CLINTON AVE. FRESNO, CA 93703	3-2223 Drawing Number	Management
San Francisco, CA 94104 TEL: 415.362.3266 www.mazzetti.com Project Number: 120-099	CHANICAL TO THE CHANICAL TO TH		Date OCTOBER 29, 2015 MT NS/GL	M103 Dwg. of	Department of Veterans Affairs

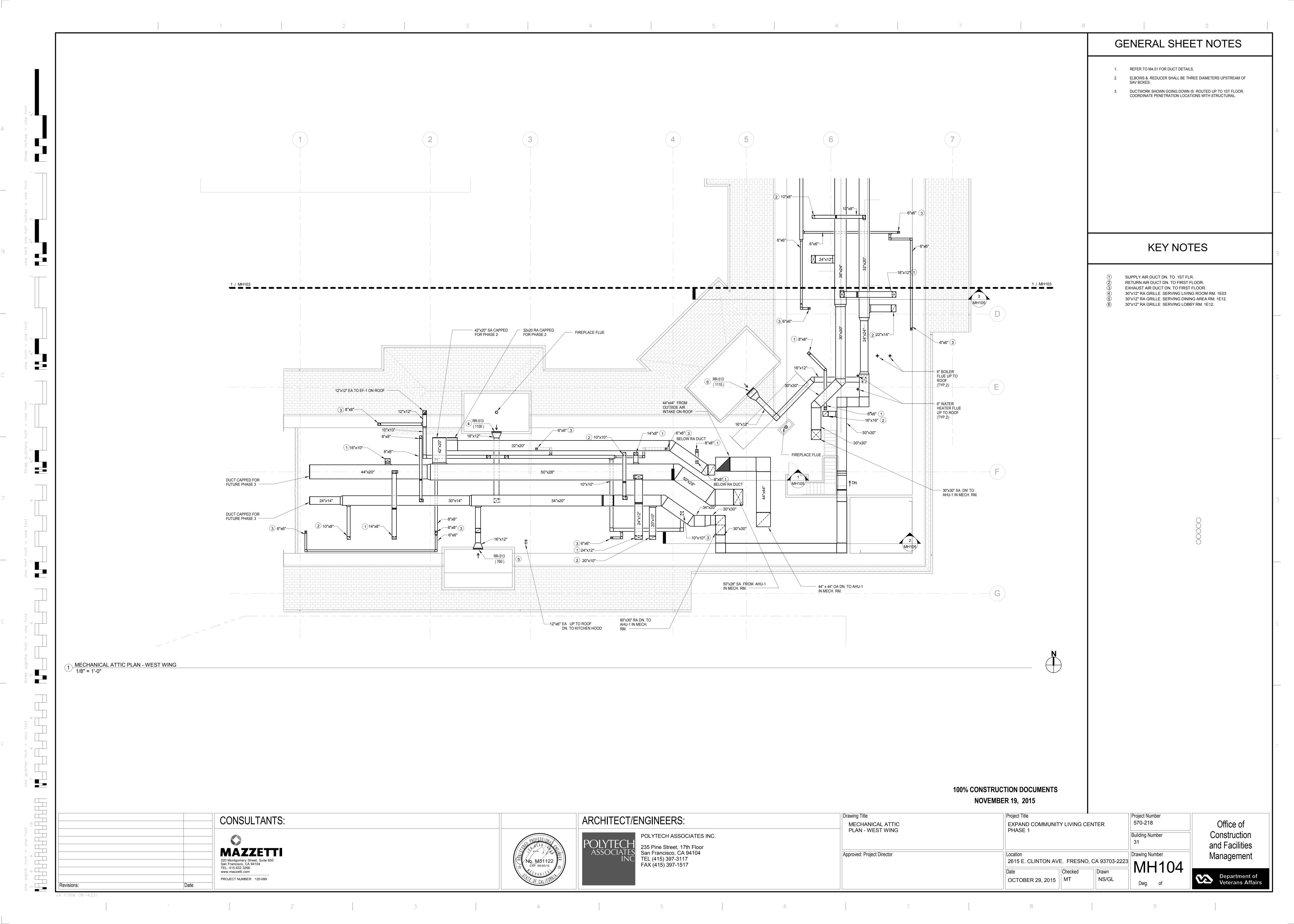
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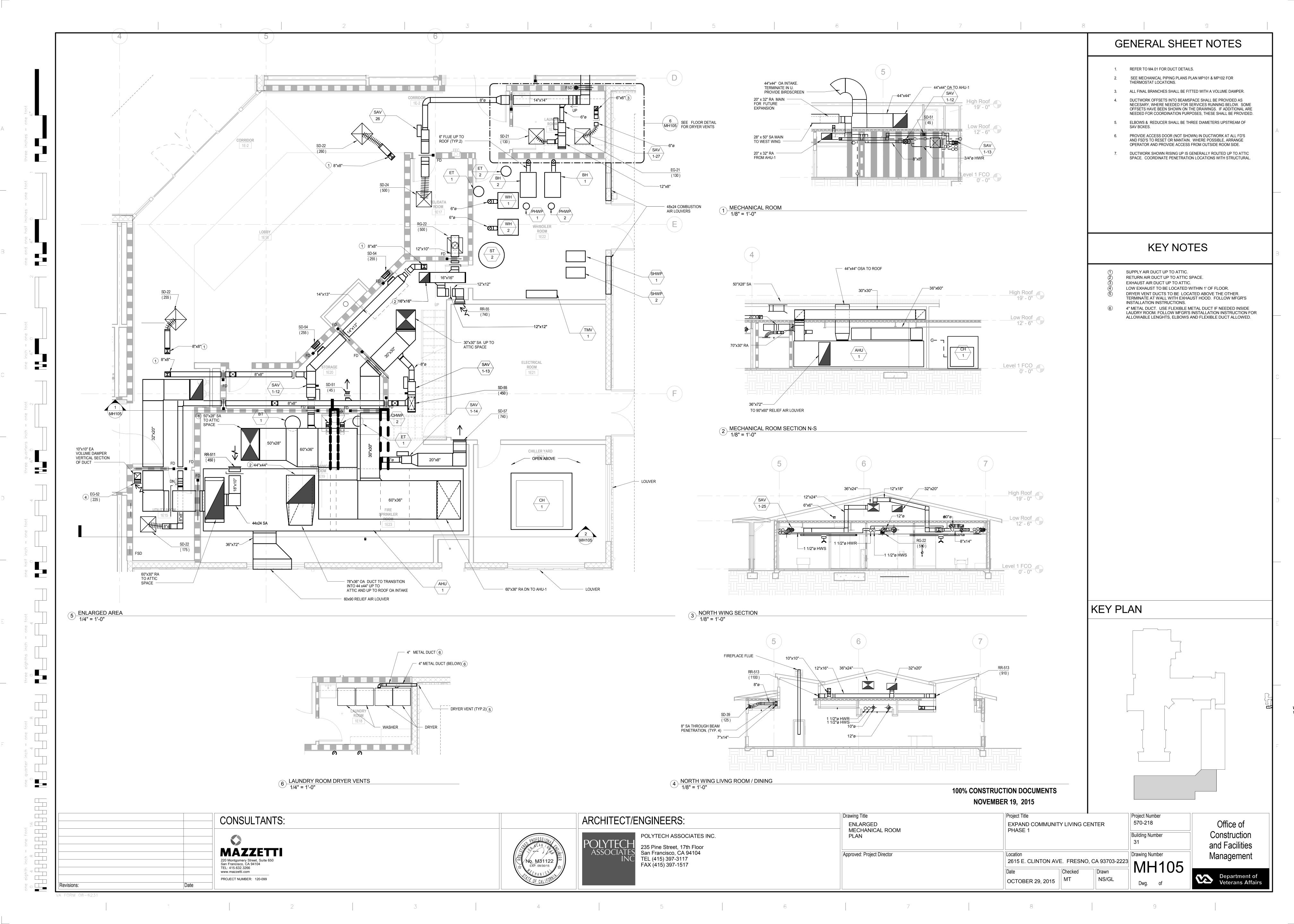


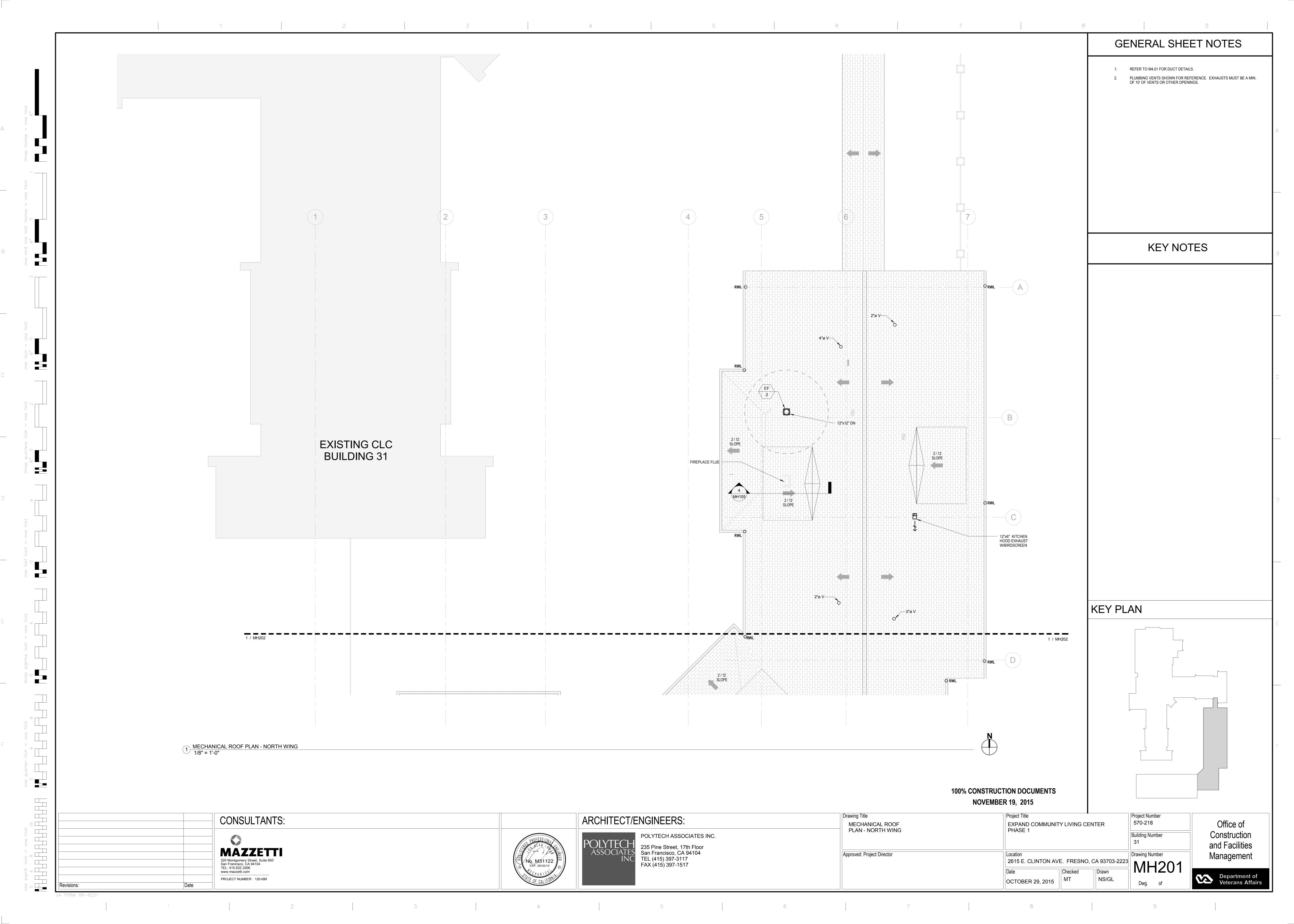


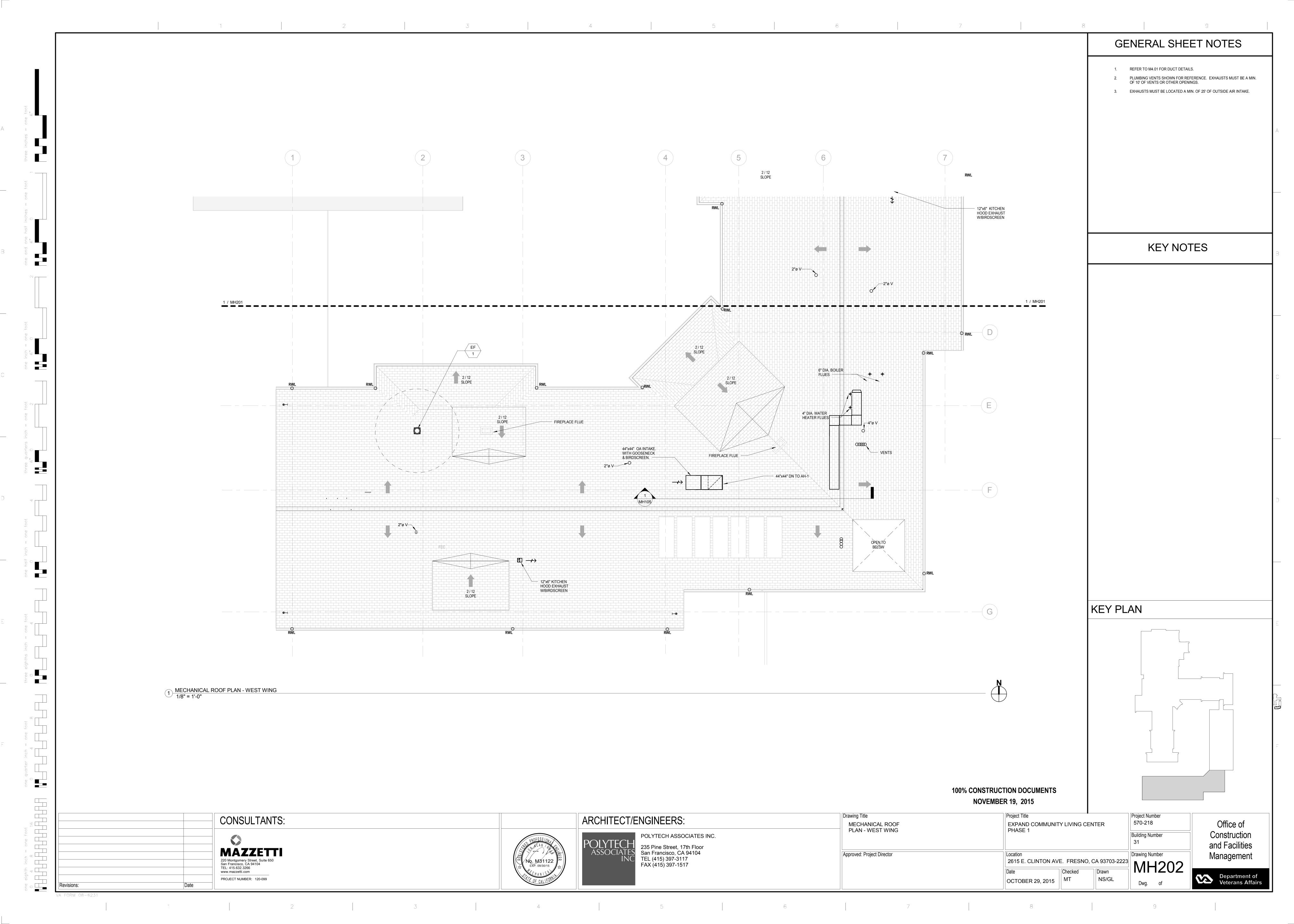


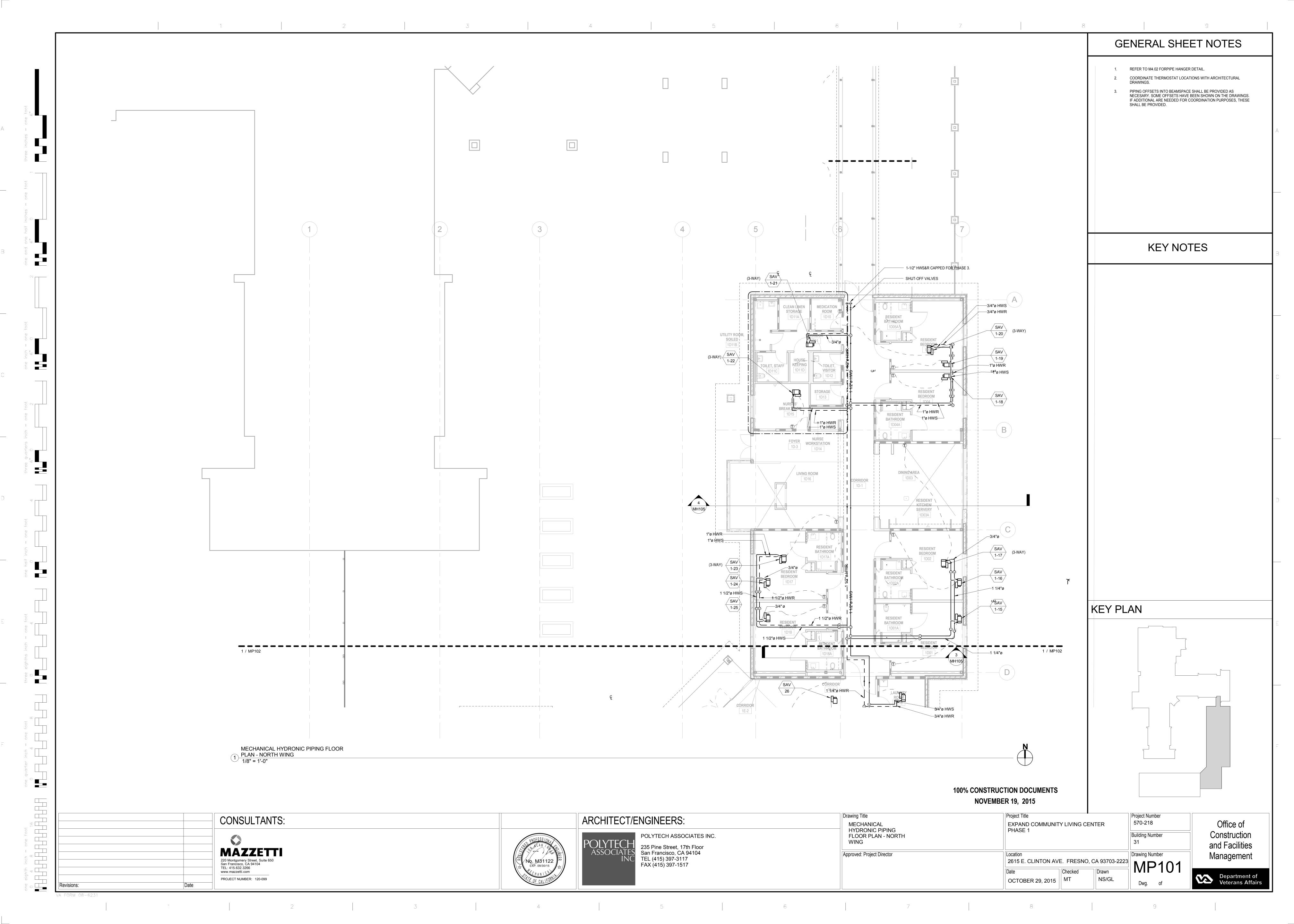


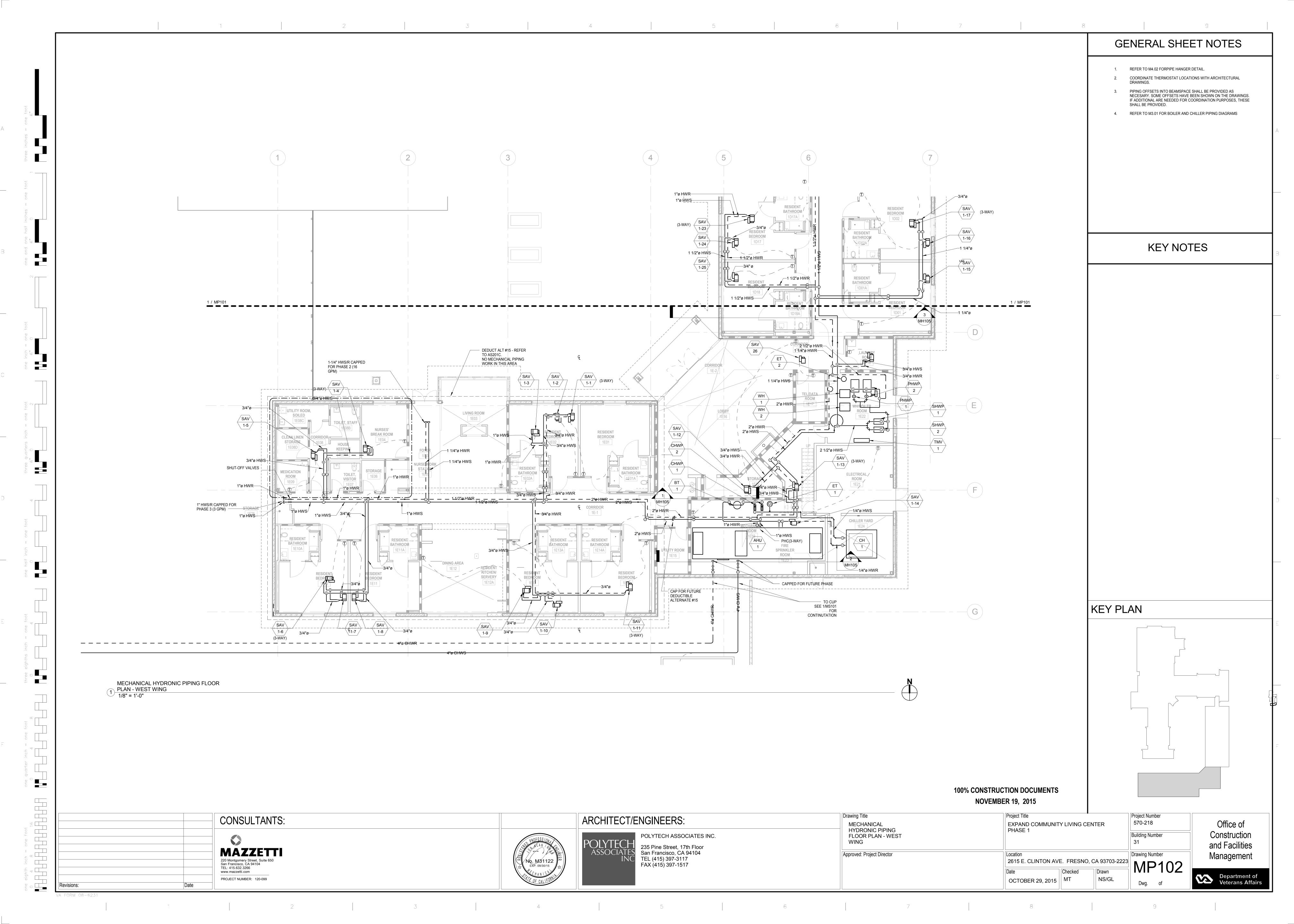


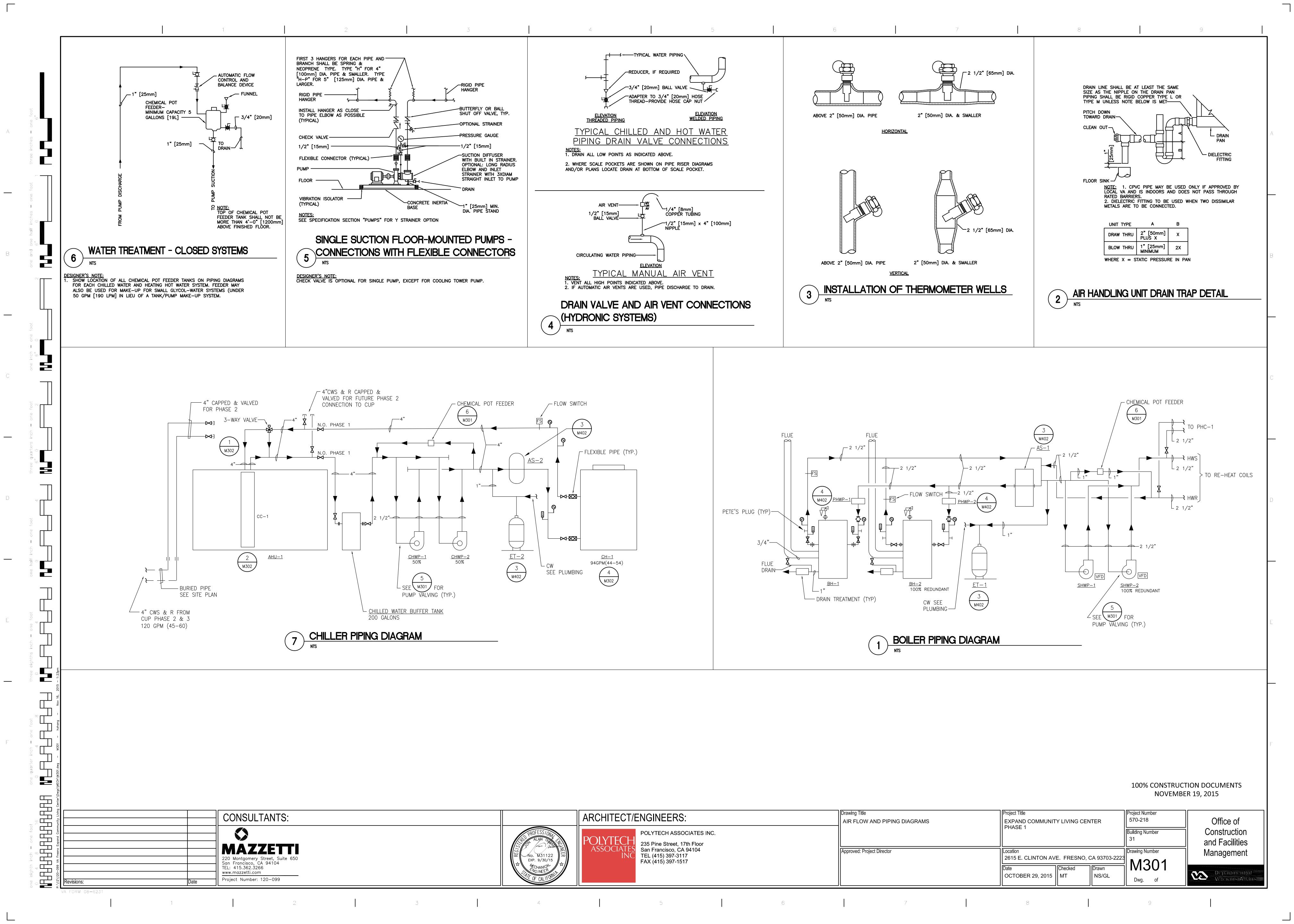


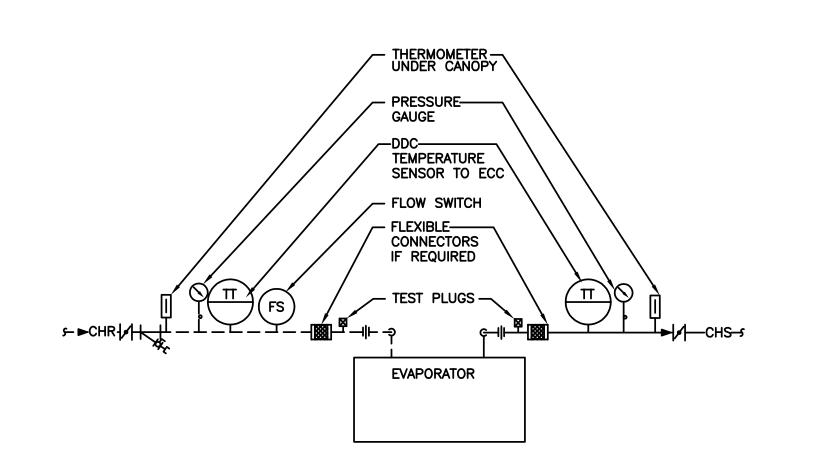










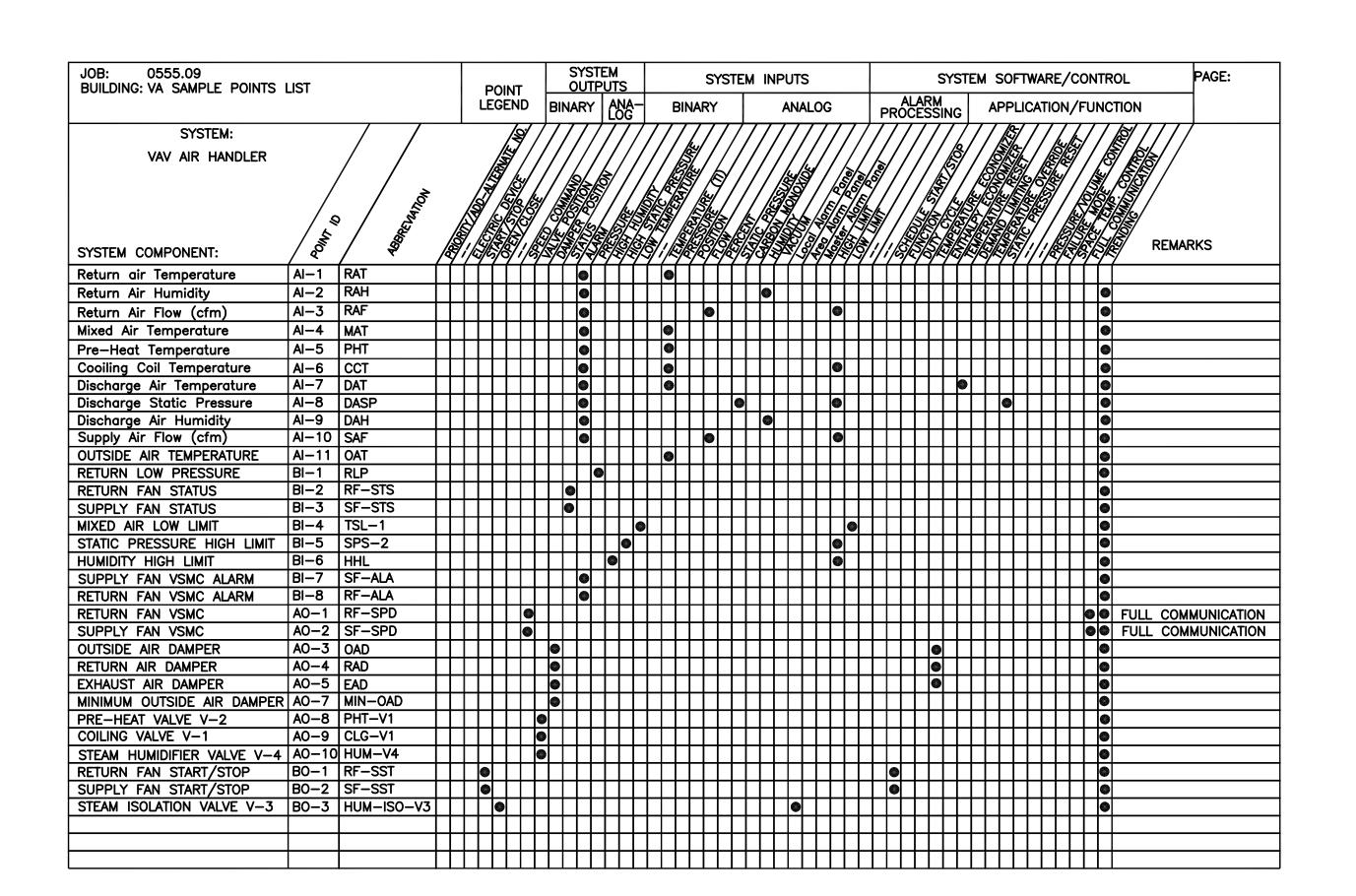


 PROVIDE HEAT TRACING WHEN THE EXPOSED PIPING CARRYING CHILLED WATER IS NOT MIXED WITH PROPYLENE CLYCOL. ALL VALVES, STRAINER, FLOW SWITCH, FLEXIBLE CONNECTORS, ETC., SHALL BE WRAPPED WITH ELECTRIC HEAT TRACE CABLE UNDER INSULATION.

2. VERIFY NEED FOR FLEXIBLE CONNECTOR

3. PROVIDE ALUMINUM JACKETING ON ALL EXPOSED, INSULATED PIPING.

AIR COOLED CHILLER - PIPING CONNECTIONS



POINTS LIST FOR VAV AIR HANDLING UNIT WITH MINIMUM OUTSIDE AIR

MANUAL AIR VENT REDUCE TO COIL SEE CONTROL DRAWINGS CONNECTION SIZE (TYP.) PETE'S PLUG 🗖 ✓ 3-WAY CONTROL VALVE - ARMSTRONG CBV CIRCUIT BALANCING VALVE 1/4" GLOBE VALVE B & G OR EQUAL UNION (TYP.) PLUG -GLOBE VALVE— STRAINER

- BLOW OFF VALVE

1) OFFSET PIPING AT AIR HANDLING UNIT(S) THAT COILS(S) CAN BE REMOVED FROM AHU CASING AND SO THAT PIPING DOES NOT BLOCK ACCESS DOORS, ETC.

(2) SEE PLAN DRAWING FOR PIPE SIZES.

(3) FLEXIBLE CONNECTION. (4) ISOLATION VALVE — SEE SPECIFICATIONS.

COIL CONNECTION THREE WAY VALVE

SEQUENCE OF OPERATION FOR VARIABLE AIR VOLUME AIR HANDLING UNIT WITH MINIMUM **OUTSIDE AIR**

_1.1 UNIT IS NORMALLY STARTED AND STOPPED REMOTELY AT THE ECC. H-O-A SWITCH SHALL BE KEPT IN THE "AUTO" POSITION. "HAND" AND "OFF" POSITIONS SHALL BE USED ONLY FOR MAINTENANCE. WHEN THE UNIT IS "OFF" D-1, D-3, SHALL BE FULLY CLOSED. WHEN THE UNIT IS "ON" D-1, SD-1 AND SD-2 SHALL BE FULLY OPEN. D-2 AND D-3 SHALL MODULATE IN ACCORDANCE WITH THE FOLLOWING SEQUENCE:

2. TEMPERATURE CONTROL

_2.1 SUPPLY AIR TEMPERATURE, SENSED BY TT-1, SHALL BE MAINTAINED AT SETPOINT VIA DIGITAL CONTROL PANEL BY MODULATING V-1 OR D-2 AND D-3 OR V-2 IN SEQUENCE.

- 2.2 WHEN THE TEMPERATURE OF THE OUTSIDE AIR, SENSED BY TT-2, IS ABOVE 75°F (ADJ) [23.8°C], THE DIGITAL CONTROL PANEL SHALL PREVENT THE MODULATION OF D-2 AND D-3 AND SHALL ASSUME THE MINIMUM OUTSIDE AIR POSITION (D-2 FULLY OPENED AND D-3 FULLY CLOSED). THE DIGITAL CONTROL PANEL SHALL MODULATE V-1 TO MAINTAIN THE SUPPLY AIR TEMPERATURE, SENSED BY TT-1.
- 2.3 WHEN THE TEMPERATURE OF THE OUTSIDE AIR, SENSED BY TT-2, IS BETWEEN 65°F [18.3°C] AND THE SUPPLY AIR TEMPERATURE SENSED BY TT-1, DAMPER D-2 SHALL FULLY CLOSE AND D1 AND D3 SHALL BE FULLY OPEN (MAXIMUM OUTSIDE AIR POSITION). THE DIGITAL CONTROL PANEL SHALL MODULATE V-1 TO MAINTAIN THE SUPPLY AIR TEMPERATURE, SENSED BY TT-1.
- 2.4 WHEN THE TEMPERATURE OF THE OUTSIDE AIR, SENSED BY TT-2, IS BELOW THE SUPPLY AIR TEMPERATURE, SENSED BY TT-1, DAMPERS D1, D-2 AND D-3 SHALL MODULATE TO MAINTAIN THE SCHEDULED SUPPLY AIR TEMPERATURE. IF D-2 IS OPEN AND D-3 IS CLOSED TO MINIMUM OUTSIDE AIR, V-2 SHALL MODULATE OPEN TO MAINTAIN THE SUPPLY AIR TEMPERATURE, SENSED BY TT-1.

3. AIR FLOW CONTROL

- _3.1 THE SUPPLY AIR FLOW SHALL BE CONTROLLED BY THE DIGITAL CONTROL PANEL MODULATING THE SUPPLY FAN VARIABLE SPEED MOTOR CONTROLLER TO MAINTAIN 1.0" [25mm] OF DUCT STATIC PRESSURE (FIELD ADJUSTABLE), SENSED BY SPS-1. RESET STATIC PRESSURE BASED ON ACTUAL BUILDING LOAD BY POLLING ALL ATU
- 3.2 THE DIGITAL CONTROL PANEL, USING TOTAL SUPPLY AIR AND RETURN AIR FLOW SIGNALS, SHALL RESET THE RETURN AIR FAN VSMC TO MAINTAIN A CONSTANT AIR FLOW DIFFERENCE BETWEEN THE SUPPLY AIR AND THE RETURN AIR EQUAL TO MINIMUM
- 3.3 USING HIGH PRESSURE SENSOR SPS-2 LOCATED AT THE SUPPLY FAN DISCHARGE, SHALL PREVENT THE SUPPLY FAN FROM DEVELOPING OVER 3" [75mm] OF STATIC PRESSURE (FIELD ADJUSTABLE). IF STATIC PRESSURE AT SPS-2 DOES EXCEED 3" [75mm] THE SUPPLY AIR FAN SHALL STOP. SPS-2 SHALL BE HARDWIRED TO THE SUPPLY FAN VSMC AND UNIT SHALL BE SHUTDOWN IN HAND, AUTO OR BYPASS MODE. SPS-2 WILL REQUIRE MANUAL RESET AT THE DEVICE.

- WHEN THE DIGITAL CONTROL PANEL IS NOT CALLING FOR HUMIDITY, SENSED BY RETURN AIR HUMIDITY H-1, 2-WAY "ON-OFF" CONTROL VALVE V-3 SHALL REMAIN CLOSED. WHEN THE DIGITAL CONTROL PANEL IS CALLING FOR HUMIDITY, V-3 SHALL REMAIN OPEN.
- 4.2 RETURN AIR HUMIDITY SHALL BE MAINTAINED AT SETPOINT OF 35% RH (ADJ) VIA DIGITAL CONTROL PANEL BY MODULATING CONTROL VALVE V-4 TO MAINTAIN THE DESIRED HUMIDITY. THE DCP SHALL OVERRIDE THIS CONTROL TO MAINTAIN HUMIDITY OF 80% AS SENSED BY H-2. DCP SHALL CLOSE VALVE V-3 WHENEVER THE SUPPLY FAN IS OFF. VALVE V-4 SHALL BE INTERLOCKED WITH A TEMPERATURE SWITCH TO KEEP THE HUMIDIFIER OFF UNTIL CONDENSATE TEMPERATURE APPROACHES STEAM TEMPERATURE.

5. FREEZE PROTECTION

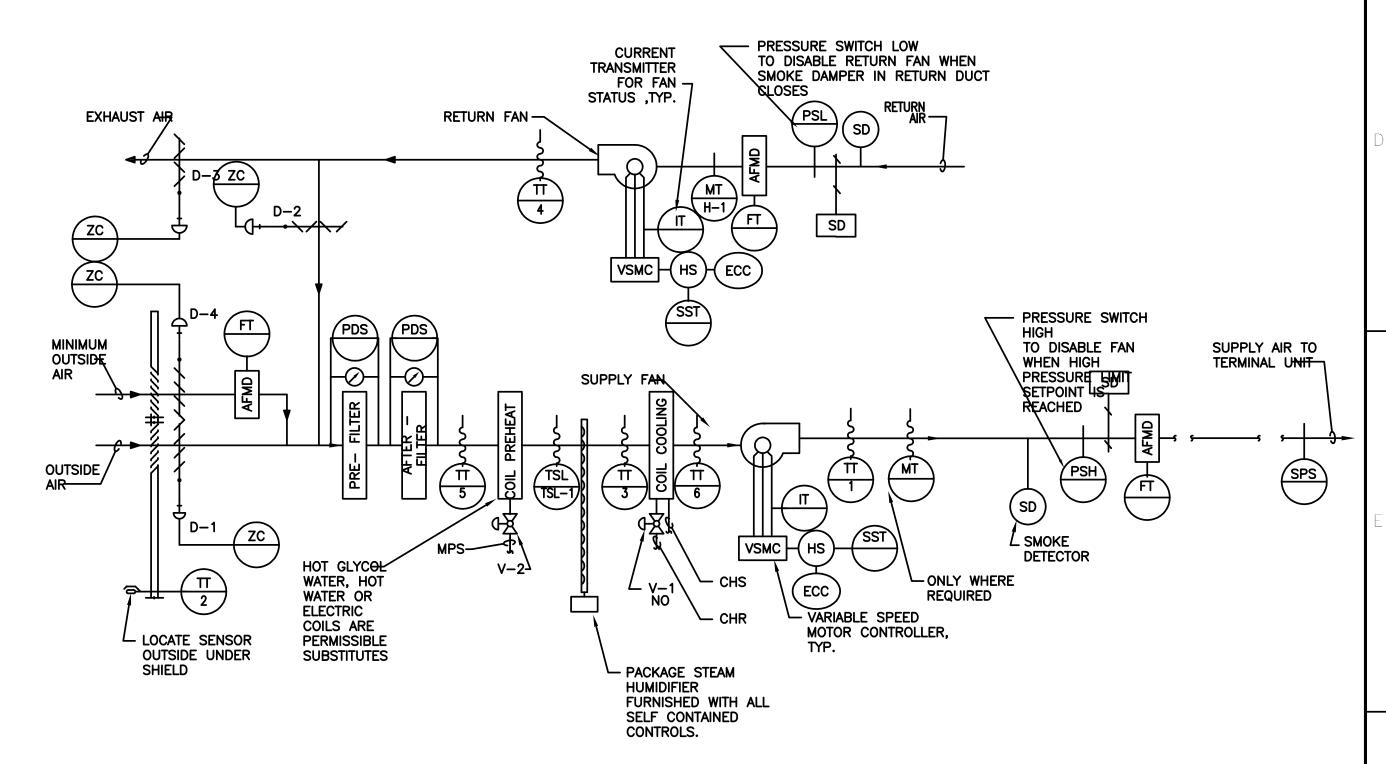
_5.1 IF THE AIR TEMPERATURE AS SENSED BY TT-3 FALLS BELOW 45°F [7°C], AN ALARM SIGNAL SHALL INDICATE AT THE DCP AND ECC. IF THIS TEMPERATURE FALLS BELOW 40°F [4.4°C], AS SENSED BY THE TSL THE SUPPLY AND RETURN FANS SHALL SHUT DOWN AND A CRITICAL ALARM SHALL INDICATE AT THE DIGITAL CONTROL PANEL AND ECC. TSL SHALL BE HARDWIRED TO THE SUPPLY FAN UFD AND UNIT SHALL BE SHUTDOWN IN HAND, AUTO OR BYPASS MODE. TSL WILL REQUIRE MANUAL RESET AT THE DEVICE.

6. <u>AUTOMATIC SHUTDOWN/RESTART</u>

- 6.1 WHEN SMOKE IS DETECTED BY DUCT SMOKE DETECTOR, SD, THE SUPPLY AND RETURN FANS SHALL SHUT "OFF" AND AN ALARM SIGNAL SHALL BE TRANSMITTED TO THE FIRE ALARM SYSTEM. ALL SMOKE DAMPERS IN THE SUPPLY AND RETURN DUCTS SHALL CLOSE.
- 6.2 EXHAUST FANS SERVING AREA OF THE SUPPLY FAN SHALL CONTINUE TO RUN. SUPPLY AND RETURN FANS SHALL RESTART AND SMOKE DAMPERS SHALL OPEN WHEN FIRE ALARM CIRCUIT IS RESET.

7. EMERGENCY CONSTANT SPEED OPERATION

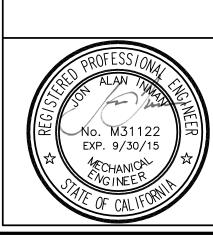
_7.1 UPON FAILURE OF THE VSMC, THE SUPPLY AND RETURN FANS SHALL BE STARTED/STOPPED MANUALLY AT THE DIGITAL CONTROL PANEL OR THE ECC THROUGH THE BY-PASS STARTER. FANS SHALL THEN BE OPERATED AT CONSTANT SPEED.

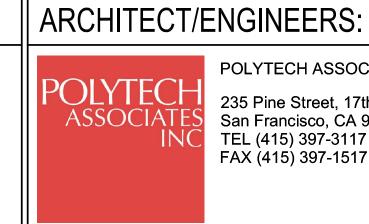


VARIABLE AIR VOLUME AIR HANDLING UNIT WITH MINIMUM OUTSIDE AIR CONTROL DIAGRAM

100% CONSTRUCTION DOCUMENTS NOVEMBER 19, 2015

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Project Number 570-218 CONTROL DIAGRAMS EXPAND COMMUNITY LIVING CENTER PHASE 1 Building Number Approved: Project Director 2615 E. CLINTON AVE. FRESNO, CA 93703-222 M302 Checked Drawn NS/GL OCTOBER 29, 2015 | MT

Office of Construction and Facilities Management

